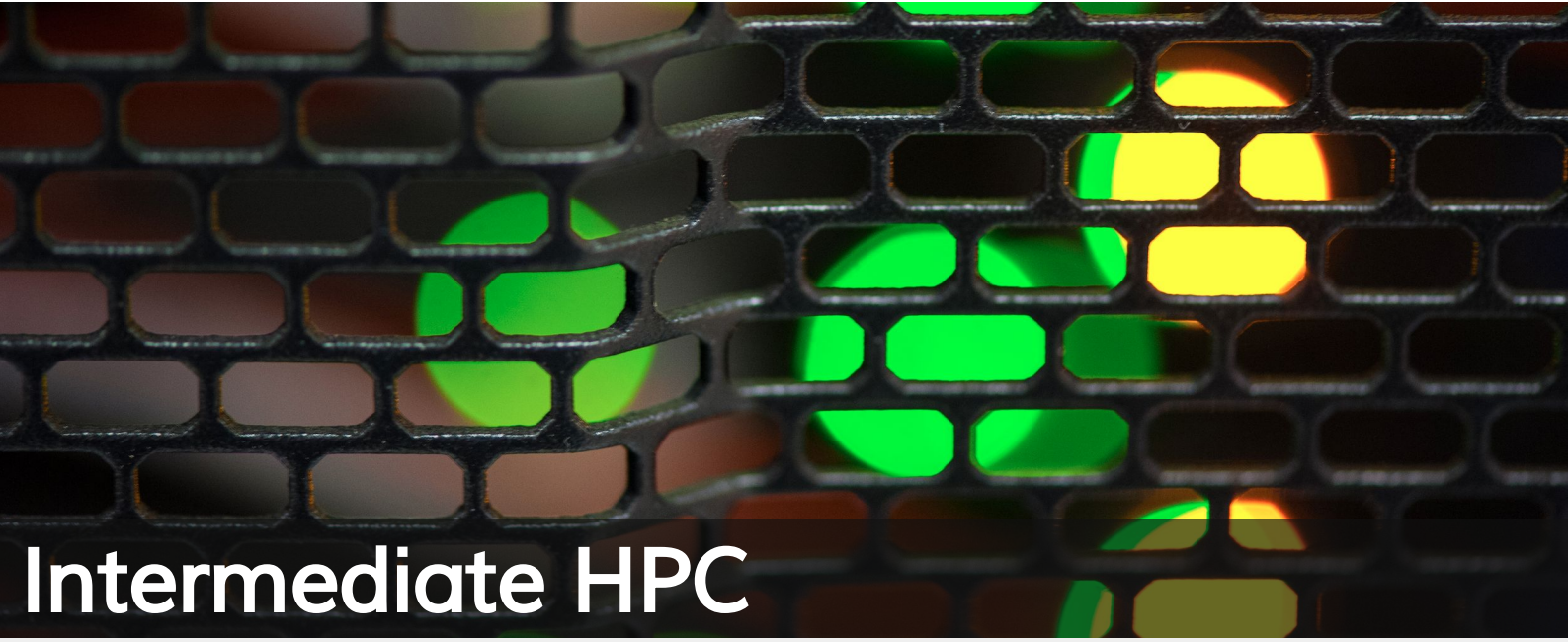
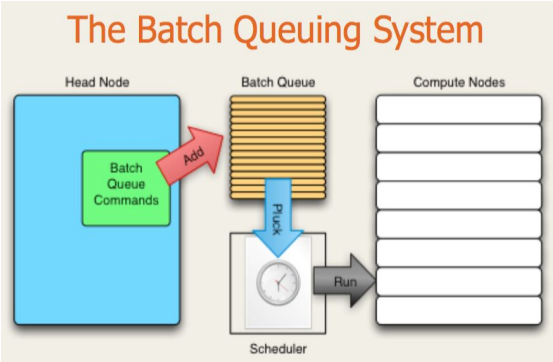


Intermediate HPC

3 hours | Prerequisites (see below) | At your campus | No cost to members



Intersect HPC courses	
Unix for HPC	Introduction to Unix (Intersect)
	Data Transfer from PC to HPC
	Intermediate HPC
Parallel Programming for HPC	

"Intermediate HPC" can be taken as its own course or as part of the comprehensive "Unix for HPC" course. The choice is yours!

Why do this course?

High-Performance Computing (HPC) allows you to accomplish your analysis faster by using many parallel CPUs and huge amounts of memory simultaneously. This short course provides a hands on introduction to running software on HPC infrastructure.

You'll learn how:

- HPC systems differ from traditional Unix environments
- to apply for ongoing access of an HPC machine
- the scheduler and batch systems work in HPC
- to submit a job and check its progress to completion
- to retrieve the results of your program

Prerequisites

This course assumes basic familiarity with the Bash command line environment found on GNU/Linux and other Unix-like environments. It also assumes knowledge of how to transfer files between computers using `ssh` and `sftp`.

If you lack these skills, consider taking "Unix for HPC" which blends "Intermediate HPC" with a primer on Unix and moving data around.

The Intersect approach to training

At Intersect, we work closely with our member universities to develop and deliver training that targets the day-to-day software and technology problems that researchers face. We deliver hands-on courses in a relaxed setting with knowledgeable, helpful trainers who are themselves researchers and who know how researchers work.

Questions always welcome.

For more information visit
Learn.intersect.org.au

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