The HPC systems use a queueing system (PBS) to manage compute resources and schedule jobs. The batch system constantly monitors all of the queued and running jobs and all the compute resources available to schedule and run the jobs as quickly and efficiently as possible.

Jobs are submitted to the batch system using PBS scripts that specify the jobs required resources such as number of nodes, cpus, memory, cputime, wallclock time.

Details on PBS job allocations, queues and limits are at the User Guide, Allocation and Limits

Detail on how to run a job with PBS are at the User Guide, Running Jobs