

Q: Can faculty members apply?

Yes! Anyone who meets the experience prerequisites may apply. If you have an unusual situation, we recommend that you discuss it in your Statement of Purpose (SoP).

Q: How many pages for CV?

There is no strict limit on the number of pages in your CV.

Q: Does the program issue a certificate after successful completion?

Yes, attendees who complete the program will receive a certificate that includes the number of hours.

Q: What is the word limits of SOP?

The Statement of Purpose is limited to two pages.

Q: How deep does the MPI background need to be for someone to be considered well-qualified? For example, is basic familiarity and some hands-on parallel coding enough, or are you looking for more advanced HPC development experience?

Basic familiarity and some practical experience is sufficient. Alternatively, you may demonstrate knowledge of OpenMP or frameworks for Data Science.

Q: What kind of information are you looking for in the recommendation letter? Also, how long should it be?

We are looking for your recommender to confirm in detail how you meet the prerequisites; comment on your research-related activities; and their impression of your career trajectory. There is no specific requirement for length; generally 1-2 pages is sufficient.

Q: Will GPU offloading be covered?

Yes, we cover GPU offloading. A few topics relevant to GPU offloading are OpenMP, SYCL, and Kokkos.

Q: What type of data science frameworks would you consider acceptable?

Just a few examples are Pytorch, Tensorflow, and Scikit-learn.  
(There is no specific framework you must have experience with.)

Q: Is it possible to jump between different tracks on the same day?

What you see in past agendas labeled "Tracks" are not simultaneous, they are consecutive. However, some may have simultaneous lectures – for example a beginner vs intermediate version of a topic, or a choice between two topics so you may focus on what is most relevant to your interests.

Q: Can someone from the private sector also apply?

Yes, commercial/industrial researchers are eligible and welcome.

Q: Regarding the Numerical libraries track, do you already know which one are introduced during the courses?

The best guide right now is to look at the 2025 agenda; note that updates may be made for this year.  
( <https://extremecomputingtraining.anl.gov/agenda-2025> )

Q: Does training/fine tuning LLMs on HPC count as valid experience?

Yes, it certainly does.

Q: Do we need our own national laboratory accounts to be added in the additional access to Argonne?

ATPESC will arrange computer accounts at ALCF, OLCF, and NERSC for all attendees. You do not need a pre-existing account.

Q: Is the application limited to one recommendation letter?

Yes.

Q: Would the sessions primarily be lectures or there are coding/hackathons as well?

You are encouraged to bring your code to work on but ATPESC is not a formal hackthon. It will be a combination of lectures and hands-on sessions to give you a chance to apply the material. You can do that with your own code or with example codes.

Q: Can student with summer internship apply?

If you have a summer internship you will need to make arrangements with your supervisor to be absent during the two weeks of ATPESC.

Q: Is experience in building software technologies for data science (unit/regression test libraries, code generation tools, plugin infrastructure frameworks, etc) relevant to the Statement of Purpose?

Yes, that would support your prerequisite experience.

Q: Maybe this a duplicate question but can one have more pytorch and gpu training / inference experience than mpi experience. meaning can someone be more inclined towards ml than mpi and still be eligible?

Yes, the requirement is to have experience in at least ONE of the three areas: MPI, OpenMP, or Data Science.

Q: Can we run large simulations (1000+ nodes) on Aurora to test exascale readiness?

During the program, ATPESC attendees will have access to large reservations on ALCF machines for running at scale.