

ASPIRE Fellowship

Accelerator Science Program to Increase Representation in Engineering

Open for applications until Jan. 31, 2022 • Fellowship start: Summer 2022

WHO should apply?

Engineering and Physics Disciplines,
Undergraduate and Graduate
(Master's level) opportunities, Black,
LatinX and Indigenous identities,
and women.

ASPIRE will provide students
with an immersive learning experience,
alternating course credit (during
school year) and pay (when on site
at Fermilab).

<https://internships.fnal.gov/accelerator-engineering-fellowships-for-underrepresented-minorities-aspire/>



ASPIRE Fellowship

Accelerator

Science

Program to

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- ... is a Fermilab Fellowship for undergraduate and graduate (masters) students who are underrepresented in STEM disciplines, to develop the next generation of particle accelerator engineers.
- aims to further diversify PIP-II and Fermilab workforce and to meet the hiring needs in accelerator engineering disciplines.
-is a partnership between Fermilab and Midwest colleges and universities.

ASPIRE Overview

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- Provides immersive learning experiences at Fermilab for:
 - undergraduate juniors and seniors, and post-graduate (masters) engineering students
 - who are historically and contemporarily under-represented in accelerator engineering fields, including Black, LatinX and Indigenous identities, and women
- Provides fellows the opportunity to participate in the design, development and construction of world-leading particle accelerators, initially PIP-II
 - Immersion in a world-class R&D environment
 - Interactions with experienced, often internationally renowned engineers and scientists
 - Contributions to the construction of one of the most powerful accelerators in the world

ASPIRE Overview

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- Assigned mentors will guide fellows to realize professional growth & development via
 - the acquisition of in-demand engineering skills
 - establishment of professional networks within accelerator science & technology community
- Fellows will be resident at Fermilab for a total of 15-18 months
 - interleaved summers and academic year semesters
 - paid by Fermilab during the periods of residence
 - at the end of fellowship participants are expected to have acquired accelerator engineering skills that will provide a platform for their future careers and/or post-graduate work (for u/g)
- A primary goal of the program is to develop fellows into competitive candidates for full-time employment in particle accelerator and related fields, including at Fermilab, after ASPIRE Fellowship program completion

Application Procedure

- Applications should be submitted online:
<https://jobs-us.technomedia.com/fermilab/?offerid=1436>
- Applications require:
 - an official academic transcript
 - one letter of recommendation
 - personal statement
 - proposed residency periods at Fermilab.
- The initial application period will extend from September 1 – January 31, 2021.
- The initial residency period will be summer of 2022.

Contacts and additional information

<https://www.fnal.gov/>

<https://www.fnal.gov/pub/forphysicists/fellowships/aspire/> - ASPIRE web page

<https://pip2.fnal.gov/> - PIP-II web site

<https://twitter.com/LiaMerminga> - Lia's twitter account

Other Fermilab Internships and Scholarships:

<https://diversity.fnal.gov/graduate-programs-and-fellowships/>

<https://www.fnal.gov/pub/forphysicists/fellowships/>

Fermilab Contacts

Lia Merminga, PIP-II Project Director

Sandra Charles, Chief Equity, Diversity & Inclusion Officer

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Let'sASPIRE to LEAD

Thank you!

