# **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).

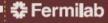
https://internships.fnal.gov/accelerator-engineering-fellowships-for-underrepresented-minorities-aspire/















### **ASPIRE Fellowship**

Accelerator

Science

Program to

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Representation in

**E**ngineering



- 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 disciples.
- ....is a partnership between Fermilab and Midwest colleges and universities.



#### **ASPIRE Overview**

[1/2]

- 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 [2/2]

- 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 fulltime 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 Tracy Marc, Media Relations Manager merminga@fnal.gov scharles@fnal.gov tracym@fnal.gov



