BEEAM

Broadening Engagement through Engineering At MIT

BEEAM is a year-round **paid** high school research and education internship program at MIT. Gain valuable, hands-on experience performing research in a biological, mechanical, or chemical engineering lab with a mentor.

BEEAM intern Nia Abdurezak working in Professor Roger Kamm's laboratory within the Biological Engineering department at MIT.

Why should I apply?

If you enjoy, are curious about, or have an interest in science, technology, engineering, or mathematics, then this program is for you!

What will I *do* in BEEAM?

Gain first-hand research experience in state-of-the-art laboratories.

Learn new and exciting scientific techniques, instrumentation, and methods.

Develop problem-solving skills through conducting and taking ownership of a research project.

Become part of and contribute to a multi-disciplinary research team.

Gain confidence in your academic scholarship and research skills.

Internship Schedule

Summer Term

10 weeks long
Earn stipend up to $3,600

June 24 – August 30, 2019

Monday – Friday
30 hours per week
10:00 AM – 4:00 PM

Fall Term

10 weeks long
Earn stipend up to $1,200

Oct. 14 – Dec. 11, 2019

Preselected days
Monday – Friday
8-10 hours per week
3:00 – 5:00 PM

Spring Term

16 weeks long
Earn stipend up to $1,920

January 6 – May 8, 2020

Preselected days
Monday – Friday
8-10 hours per week
3:00 – 5:00 PM

BEEAM Celebrations:

At the end of the Summer, Fall, and Spring terms, the BEEAM interns will share their experiences and research results. Family, friends, and members of the CRLS, MIT, and EBICS communities will be invited.

BEEAM is supported by the NSF Science and Technology Center Emergent Behaviors of Integrated Cellular Systems (EBICS) and in part by the Clark Gertler Foundation.

Application Details

Apply online at:

www.ebics.net

Select "Diversity and Education", then "BEEAM"

Apply now for the 2019-2020 BEEAM cohort.

Timeline:

Cycle closes April 12, 2019

Finalist interviews are the week of April 22nd.

Announce BEEAM Cohort mid-May 2019.

Onboarding paperwork due end-of-May.

Orientation at MIT is June 24, 2019.

First full week in MIT lab is July 1, 2019.

Components:

Upload the following online:

Interest statement

Personal statement

Resume

High school transcript

Two letters of reference

A detailed description of each application component can be found on the website.

Besides research experience, what *else* does BEEAM offer?

Have a prestigious and impactful experience on your resume to make you stand out on future applications – job applications and post-secondary education!

Free-unlimited monthly T-pass to assist with commuting from CRLS to MIT.

Develop mentee-mentor relationships with you BEEAM mentor, fellow lab members, and Faculty supervisor – potential letters of reference.

Experience and cultivate a strong research and academic network.

Attend professional development workshops, on topics such as *resume writing, how to craft/deliver a scientific presentation, and how to apply to STEM undergraduate programs.*

Potentially attend a national STEM conference, all expenses paid, to present your BEEAM research. For example, Biomedical Engineering Society Conference, in Philadelphia.

If you have questions or comments about, or require assistance with the BEEAM education and research internship application, please contact:

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