



LSAMP Undergraduate Research Program

Summer 2018, Academic Year 2018-2019

Application Deadline: March 30, 2018

DISCLAIMER:

The LSAMP Bridge Program for Scientists and Engineers is subject to available funding from the National Science Foundation (NSF).

LSAMP Undergraduate Research Program

Under the auspices of the University System of Maryland and the National Science Foundation, the University of Maryland College Park Louis Stokes Alliance for Minority Participation Undergraduate Research Program (LSAMP URP) is committed to (1) fostering a diverse and interactive science community; (2) broadening minority participation in the science, technology, engineering, and mathematical (STEM) fields; (3) encouraging undergraduate research, and (4) increasing the number of advanced degrees obtained by minority students.

Program Components

Research

Participants conduct a scientific research project with a faculty member in the University of Maryland's College of Computer, Mathematics and Natural Sciences, A. James Clark School of Engineering or College of Agriculture and Natural Resources. During this research experience, participants perform original research, prepare scientific reports, and present their research at the end of the academic year. The goal of the research component is to equip students with the necessary tools to successfully complete a research project in their desired fields of study and present it to a range of audiences.

Graduate School Preparation

One of the objectives of the LSAMP program is to encourage students to pursue advanced degrees in the STEM fields. The goal of the graduate school preparation component is to show students how to prepare for graduate school and submit a complete and thorough application highlighting their undergraduate achievements and aspirations.

Learning Community and Outreach Initiatives

The LSAMP Undergraduate Research Program will offer a strong and supportive learning community of students, faculty, and staff collaborating to develop and enhance student's leadership, professional, and communication skills in addition to assisting in their research project and studies. This community will also offer ongoing career and academic guidance.

Program Benefits:

- Student stipends of \$3,000.00 per program
- Faculty-student partnership to conduct cutting-edge research in the STEM fields
- Access to available academic year research opportunities and professional conferences
- Research preparation tools such as scientific writing, presentations, and professional development workshops
- Graduate school preparation workshops
- Possible visits to surrounding graduate schools and research facilities

Program Eligibility:

- Full-time student at the University of Maryland, College Park
- Sophomore, Junior or Senior in the College of Computer, Mathematical, and Natural Sciences (CMNS), A. James Clark School of Engineering, or the College of Agriculture and Natural Resources
- Be a U.S. Citizen or U.S. Permanent Resident
- Minimum cumulative GPA of 3.0 (academic year program) and 2.8 for summer program

Expectations of Participants

- Maintain a cumulative and semester GPA of 3.0 or higher
- Conduct research with a University of Maryland College Park CMNS, Engineering, or Agriculture faculty member
- Devote about **8-10 hours per week** (academic year) or **30-35 hours per week** (summer) to the research project
- Produce and submit a written research project report, approved by the faculty advisor and present research at culminating symposium
- Participate in all LSAMP URP activities, workshops, and evaluations
- Participate in seminars or colloquia given by Computer, Mathematical, and Natural Sciences (CMNS), Clark School of Engineering or College of Agriculture and Natural Resources



Louis Stokes Alliance for Minority Participation (LSAMP)

University of Maryland, College Park



LSAMP Undergraduate Research Program

APPLICATION INSTRUCTIONS:

Complete the LSAMP Undergraduate Research Program application packet consisting of:

- Application Form
- Personal Essay and Statement of Research Interests
- Program commitment and signature

Submit the following additional materials:

- Letter of recommendation from research mentor or professor who is familiar with your performance as a student and/or potential researcher. You should print out the recommendation form and submit it to your recommender.
- Unofficial transcript (TESTUDO)
- Résumé
- Citizenship documentation: copy of US Birth Certificate, US Passport, or US Permanent Residency card
- Summer 2018, and or Fall 2018 Course load List

APPLICANT INFORMATION

_____ Last Name _____ First Name _____ M.I.

Gender: Male___ Female___ University ID: _____ Class Level (Fr, So, Jr, Sr) _____

Major: _____ Cumulative GPA: _____ Expected Graduation Date: _____

Ethnicity:

___ American Indian	___ Asian or Asian American
___ Black or African American	___ Hispanic or Latino/a
___ Pacific Islander	___ White or Caucasian
___ Other (please specify: _____)	

Citizenship Status: U.S. Citizen _____ Permanent Resident _____

Address:

_____ Street _____ City _____ State _____ ZIP _____

_____ Home Phone _____ Cell Phone _____

_____ Primary Email _____ Alternate Email _____

Application Deadline: March 30, 2018



Louis Stokes Alliance for Minority Participation (LSAMP)

University of Maryland, College Park



LSAMP Undergraduate Research Program

APPLICATION ESSAYS

Personal Essay

Write at least a 250-word essay to answer the following questions:

- (1) Why should you be chosen as an LSAMP Undergraduate Research Program participant?
- (2) What are your expectations of the program?
- (3) What are your academic and career goals and how can the LSAMP Undergraduate Research Program help you accomplish your goals?

Research Interests

Write at least a 250-word essay to answer the following question:

If you could conduct research in any area or on any topic, what would you choose? Include your motivation behind doing this research, how you would go about executing the research, and how this research would contribute to the scientific community.

PROGRAM INTEREST

Please select the program term that you to be considered for:

URP Summer 2018 ONLY URP Academic Year ONLY BOTH

If both, please indicate your program preference (select one): SUMMER ____ ACADEMIC YR ____

PROGRAM COMMITMENT AND SIGNATURE

I certify that all parts of this application packet are complete and accurate to the best of my knowledge. I understand that submission of false information may be sufficient for denial of admission.

Upon acceptance into the LSAMP Undergraduate Research Program, I will fully participate in research and all program activities from the start date of the program to the end of the program. Failure to do so may be sufficient cause for LSAMP to forfeit payment of my stipend or terminate my participation in the program.

Applicant Signature: _____ Date: _____

Application Deadline: March 30, 2018



Louis Stokes Alliance for Minority Participation (LSAMP)

University of Maryland, College Park



LSAMP Undergraduate Research Program

RECOMMENDATION FORM

Name of Applicant: _____

I waive my right of access to this recommendation letter: _____ Yes _____ No

The following section is to be completed by recommender

Name of Recommender: _____

Position/Title: _____

Department: _____

Phone Number: _____ Email Address: _____

Are you the applicant's current research mentor? **YES** _____ **NO** _____

Have you offered this student a research placement for the Summer 2018 semester? **YES** _____ **NO** _____

Have you offered this student a research placement for the Fall 18/Spr 19 semester? **YES** _____ **NO** _____

The student above is applying to the Louis Stokes Alliance for Minority Participation (LSAMP) Undergraduate Research Program at the University of Maryland College Park. The undergraduate research program is committed to:

- Fostering a diverse and interactive science community
- Broadening minority participation in the science, technology, engineering, and mathematical (STEM) fields
- Encouraging undergraduate research
- Increasing the number of advanced degrees obtained by minority students

Please indicate in what capacity you have worked with the student and provide an assessment of the student's educational talent and commitment. *Please give us your candid opinion of the student's potential to conduct undergraduate research and pursue graduate studies.*

Please attach your assessment on a separate page and return it to:

Dr. Sarah Mburu, LSAMP Program Coordinator
 University of Maryland, College Park
 Center for Minorities in Science and Engineering
 1131 Glenn Martin Hall
 College Park, MD. 20742
 Phone: (301) 405-8106 | Fax: (301) 314-9867
 Email: smburu@umd.edu

Recommender Signature

Date

Application Deadline: March 30, 2018