



2017 BRIDGE PROGRAM FOR SCIENTISTS AND ENGINEERS APPLICATION

Application Instructions

Complete the following components of the LSAMP 2017 Bridge Program for Scientists and Engineers application:

- ✓ Application Form
- ✓ Two Essays
- ✓ Citizenship Documentation: Copy of U.S. Birth Certificate, U.S. Passport or U.S. Permanent Residency card
- ✓ Résumé
- ✓ Teacher Recommendation

DISCLAIMER:

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

Bridge Program for Scientists and Engineers

The University of Maryland College Park's Summer Bridge Program for Scientists and Engineers celebrates 33 years (1984-2017) of supporting students in reaching their fullest potential. This 5-week residential program for academically talented students in the Clark School of Engineering provides early exposure to the rigors of engineering at the University of Maryland, while offering a supportive environment helping students get acclimated to the university. Bridge Program scholars earn 4 university credits while learning to work, study, and excel together.

Eligibility

- Be an incoming freshman admitted to the A. James Clark School of Engineering
- Confirm attendance to UMD by May 1, 2017
- Display a commitment to academic excellence
- Able to live on campus for the full 5 weeks of the Summer Bridge Program
- Fully participate in all program activities
- Agree not to work during the Summer Bridge Program
- Commit to register for the Bridge freshman course: "Achieving College Success" during the 2017-2018 Academic Year

Cost

A **program fee of \$450** is required for selected participants. The Summer Bridge Program covers the cost of tuition, student fees, textbooks, housing, and most meals associated with the summer program. Students and parents are responsible for all other meals.

Program Components

Summer Bridge

- Mathematics course
- Chemistry workshop
- Student Success Seminar
- Field trips to industry and research facilities
- Supplemental Instruction
- Community Building
- Academic Advising

Academic Year Bridge

- Academic Advising and Support
- Achieving College Success course
- Community Building

Expectations of Bridge Scholars

Bridge Scholars are students who have the desire to achieve excellence. They are expected to participate fully in all program activities and take full advantage of the resources made available to them. Bridge scholars also recognize the benefits of being a member of a vibrant community of scholars who desire to learn, grow, and achieve together.



2017 BRIDGE PROGRAM FOR SCIENTISTS AND ENGINEERS PROGRAM APPLICATION FORM

Please type or print clearly.

STUDENT INFORMATION

Student Name _____ UID _____

Address _____

City _____ State _____ Zip Code _____

Cell Phone (____) _____ Home Phone (____) _____

Citizenship: U.S. Citizen Permanent Resident

Gender: Male Female

Ethnicity: American Indian Asian or Asian American
 Black or African American Hispanic or Latino/a
 Pacific Islander White or Caucasian

Email _____

ACADEMIC BACKGROUND

Name of High School _____ City, State _____

High School GPA _____ / _____ SAT Scores: Math _____ Verbal _____
(Maximum pt. scale)

Math and Science Grade Report

MATHEMATICS/ SCIENCE Courses	Grade Earned	Indicate if Honors, Advanced Placement (AP), or IB courses	Indicate if College Level or Concurrent Enrollment	Grade Level When Taken (9,10,11,12)

Do you intend to enroll at the University of Maryland College Park in the Fall 2017?
 Yes No

Intended College Major: _____

FINANCIAL INFORMATION

Have you applied for financial aid by filling out the FAFSA (Free Application for Federal Student Aid)?

Yes No

Please list the scholarships for which you have applied and/or received:

PARENT INFORMATION

Did either of your parents earn a Bachelor's degree?

Father Mother Both Neither

Did either of your parents graduate from the University of Maryland College Park?

Father Mother Both Neither

Do either of your parents work at the University of Maryland College Park?

Father Mother Both Neither

ACTIVITIES

Did you participate in a pre-college mathematics, science, or engineering program while in high school?

Yes No If yes, include name of program, when and where:

ESSAYS

On a separate sheet of paper, write two brief essays (no more than one page typed for each essay) answering the questions below. **These essays will be weighed heavily in the selection process.**

1) *Explain why, in your view, it is important to increase the number of African American/Black, Hispanic American/Latino, and Native American students in science, technology, engineering, and mathematics (STEM) majors?*

2) *Describe your educational and career goals. In what ways do you feel the Bridge Program will be beneficial to your college success?*

Application deadline is May 1, 2017.

If accepted to the Bridge Program, a \$450 program fee will be required.

Please mail or fax (301-314-9867) application, essays, citizenship documents and résumé to

Ms. Michelle Udeli

Center for Minorities in Science and Engineering

1131 Glenn L. Martin Hall

College Park, MD 20742

I certify that all information that I have provided is accurate.

Student's Signature _____ Date _____



2017 SUMMER BRIDGE PROGRAM FOR SCIENTISTS AND ENGINEERS

Mathematics or Science Teacher Recommendation Form

Student Name			
Name of High School			
Teacher's Name and Title			
School/Organization			
How long have you known the student and in what capacity?			
How would you rate the student in the following areas? (Check one per category)			
1. Ability to Follow Rules & Directions <input type="checkbox"/> Always Follows <input type="checkbox"/> Sometimes Follows <input type="checkbox"/> Seldom Follows <input type="checkbox"/> Never Follows	2. Acceptance of Responsibility <input type="checkbox"/> Always Accepts Responsibility <input type="checkbox"/> Usually Accepts Responsibility <input type="checkbox"/> Sometimes Irresponsible <input type="checkbox"/> Often Irresponsible	3. Leadership Ability <input type="checkbox"/> Strong Leadership Ability <input type="checkbox"/> Sometimes Exhibits Leadership <input type="checkbox"/> Seldom Exhibits Leadership <input type="checkbox"/> Always Follows Others	
4. Written Communication Skills <input type="checkbox"/> Excellent Writing Skills <input type="checkbox"/> Good Writing Skills <input type="checkbox"/> Average Writing Skills <input type="checkbox"/> Poor Writing Skills	5. Ability to Work Well with Others <input type="checkbox"/> Always Works Well <input type="checkbox"/> Sometimes Works Well <input type="checkbox"/> Seldom Works Well <input type="checkbox"/> Does Not Work Well	6. Oral Communication Skills <input type="checkbox"/> Very Articulate <input type="checkbox"/> Articulate <input type="checkbox"/> Somewhat Articulate <input type="checkbox"/> Difficulty in Articulation <input type="checkbox"/> Inarticulate	
7. Initiative/Independence <input type="checkbox"/> Seeks Extra Tasks <input type="checkbox"/> Prepares Assigned Tasks <input type="checkbox"/> Needs Occasional Reminders <input type="checkbox"/> Seldom Shows Initiative	8. Level of Math Interest <input type="checkbox"/> Exhibits High Interest <input type="checkbox"/> Often Interested <input type="checkbox"/> Seldom Interested <input type="checkbox"/> Lacks Interest	9. Motivation <input type="checkbox"/> Highly Motivated <input type="checkbox"/> Sometimes Motivated <input type="checkbox"/> Seldom Motivated <input type="checkbox"/> Lacks Motivation	10. Maturity <input type="checkbox"/> Always Exhibits Maturity <input type="checkbox"/> Sometimes Exhibits Maturity <input type="checkbox"/> Seldom Exhibits Maturity <input type="checkbox"/> Immature

11. Based on your interactions and experiences with this student, how would you describe his/her potential to achieve a degree in science, technology, engineering, or mathematics (STEM)? If needed, please attach a separate letter.

Teacher Signature: _____ Date: _____

The deadline for applications is May 1, 2017.

Please mail or fax (301-314-9867) recommendation to
Ms. Michelle Udeli
Center for Minorities in Science and Engineering
1131 Glenn L. Martin Hall
College Park, MD 20742