2017 BRIDGE PROGRAM FOR SCIENTISTS AND ENGINEERS
APPLICATION

<table>
<thead>
<tr>
<th>Application Instructions</th>
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<tbody>
<tr>
<td>Complete the following components of the LSAMP 2017 Bridge Program for Scientists and Engineers application:</td>
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<tr>
<td>✓ Application Form</td>
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<tr>
<td>✓ Two Essays</td>
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<tr>
<td>✓ Citizenship Documentation: Copy of U.S. Birth Certificate, U.S. Passport or U.S. Permanent Residency card</td>
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<tr>
<td>✓ Résumé</td>
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<td>✓ Teacher Recommendation</td>
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**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**

<table>
<thead>
<tr>
<th>Summer Bridge</th>
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<tbody>
<tr>
<td>Mathematics course</td>
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<tr>
<td>Chemistry workshop</td>
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<tr>
<td>Student Success Seminar</td>
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<td>Field trips to industry and research facilities</td>
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<tr>
<td>Supplemental Instruction</td>
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<tr>
<td>Community Building</td>
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<td>Academic Advising</td>
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<th>Academic Year Bridge</th>
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<tbody>
<tr>
<td>Academic Advising and Support</td>
</tr>
<tr>
<td>Achieving College Success course</td>
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<tr>
<td>Community Building</td>
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**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

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

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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

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

Student's Signature __________________________ Date _______________
# Mathematics or Science Teacher Recommendation Form

<table>
<thead>
<tr>
<th>Student Name</th>
<th>Name of High School</th>
<th>Teacher’s Name and Title</th>
<th>School/Organization</th>
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**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**
   - [ ] Always Follows
   - [ ] Sometimes Follows
   - [ ] Seldom Follows
   - [ ] Never Follows

2. **Acceptance of Responsibility**
   - [ ] Always Accepts Responsibility
   - [ ] Sometimes Accepts Responsibility
   - [ ] Seldom Accepts Responsibility
   - [ ] Never Accepts Responsibility

3. **Leadership Ability**
   - [ ] Strong Leadership Ability
   - [ ] Sometimes Exhibits Leadership
   - [ ] Seldom Exhibits Leadership
   - [ ] Always Follows Others

4. **Written Communication Skills**
   - [ ] Excellent Writing Skills
   - [ ] Good Writing Skills
   - [ ] Average Writing Skills
   - [ ] Poor Writing Skills

5. **Ability to Work Well with Others**
   - [ ] Always Works Well
   - [ ] Sometimes Works Well
   - [ ] Seldom Works Well
   - [ ] Does Not Work Well

6. **Oral Communication Skills**
   - [ ] Very Articulate
   - [ ] Articulate
   - [ ] Somewhat Articulate
   - [ ] Difficulty in Articulation
   - [ ] Inarticulate

7. **Initiative/Independence**
   - [ ] Seeks Extra Tasks
   - [ ] Prepares Assigned Tasks
   - [ ] Needs Occasional Reminders
   - [ ] Seldom Shows Initiative

8. **Level of Math Interest**
   - [ ] Exhibits High Interest
   - [ ] Often Interested
   - [ ] Seldom Interested
   - [ ] Lacks Interest

9. **Motivation**
   - [ ] Highly Motivated
   - [ ] Sometimes Motivated
   - [ ] Seldom Motivated
   - [ ] Lacks Motivation

10. **Maturity**
    - [ ] Always Exhibits Maturity
    - [ ] Sometimes Exhibits Maturity
    - [ ] Seldom Exhibits Maturity
    - [ ] 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: _____________________

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**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