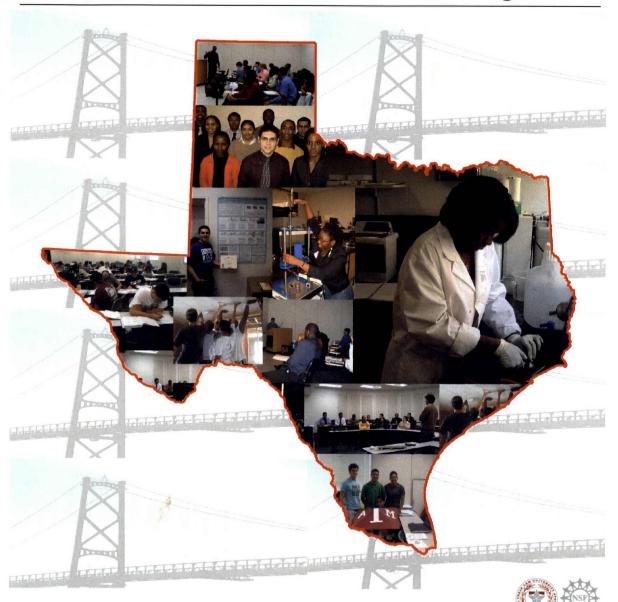
LSA&MP

Texas A&M University System Louis Stokes Alliance for Minority Participation

Bridge to the Doctorate Program



Bridge to the Doctorate Program

Letter from the Director



Howdy!

The Texas A&M University System Louis Stokes Alliance for Minority Participation (TAMUS LSAMP) is privileged to have received yet another funding award from the National Science Foundation, to support our fifth cohort of Bridge to the Doctorate (BTD) fellows.

The TAMUS LSAMP Alliance consists of three institutions, Texas A&M University serving as the lead institution, Texas A&M University – Corpus Christi and Prairie View A&M University. With graduate school success in mind, the Bridge to the Doctorate Program is aimed at increasing the quality and quantity of students interested in, academically qualified for, and matriculating into programs of doctoral studies in science, technology, engineering and mathematics (STEM) disciplines.

The TAMUS LSAMP BTD Program has served over 50 students through four cohorts. BTD Cohort I, hosted at Texas A&M University, began with 10 students and 100% matriculation into doctoral programs. BTD Cohort II, also hosted at Texas A&M University, was comprised of 12 students. Thirty-three percent have entered doctoral programs, with the remaining students in the final phase of their masters' programs. BTD Cohort III and IV, with twelve students each, are continuing to reveal outstanding results in doctoral program placement.

The Texas A&M University Louis Stokes Alliance for Minority Participation is building bridges to the doctorate and furthering careers and opportunities in STEM fields. We look forward to helping you make your dreams a reality.

Sincerely,

Karen Butler-Purry, Ph.D.

Bridge to the Doctorate Program

What is it?

The Bridge to the Doctorate (BTD) fellowship program is an extension of the LSAMP, funded by the National Science Foundation (NSF). Designed to aid Master's level students in garnering the resources and information necessary to assist them in successfully matriculating into a Doctoral program, the BTD fellowship seeks to support students

academically and professionally in achieving an advanced degree.



The TAMUS-LSAMP Bridge to Doctorate Fellowship program is like no other. The fellowship allows me to focus solely on academics and research. It's carrying me through my master's degree work to the point where I'm now in a position that the idea of pursing a Ph.D. is actually possible.

Jacob Torres

M.S., Civil Engineering Texas A&M University

Ph.D. Student, Civil Engineering John Hopkins University

Jacob stands with his two mentors, Dr. Kelly Brumbelow (left) and Dr. Seth Guikema (center).

Goal

To increase the quality and quantity of underrepresented minority students successfully completing STEM graduate degree programs.

Bridge to the Doctorate Program

Benefits

Students who participate in this fellowship program are provided the following:

- Funding for initial two years of graduate study where a stipend is provided, along with graduate tuition and fees paid in full
- Mentoring assistance
- Academic enrichment
- Travel to conferences
- Opportunity to attend a series of workshops focused on thriving and succeeding in a Ph.D.

program



I have received so much from being a part of the LSAMP Program. I really gained a lot from the other students in the program who could identify with the day-to-day struggles of grad school. It was encouraging to see other people like myself succeeding in grad school.

Maxine Jones

M.S., Ph.D., Chemical Engineering Texas A&M University

Maxine performs research for biomass conversion energy with her mentor, Dr. Mark Holtzapple.

Qualifications

- B.S. degree in a STEM major at an LSAMP Institution
- Minimum GPA of 3.0
- Acceptance as a first time graduate student into a Master's or Ph.D. Program at the TAMUS BTD hosting university
- U.S. Citizen or Permanent Resident

Bridge to the Doctorate Program

Professional Development Activities

Seminars/Workshops

The seminars are designed to assist in developing their readiness and increase eagerness to complete STEM doctoral degrees and by preparing them to take their places as leaders in interdisciplinary research and in academia.

Types of Workshops/Seminars

Thriving in Graduate School: Choosing a Research Question

Description: Finding your academic passion. What can you toil over? What are you academically prepared to handle? What is relevant and interesting to the greater engineering community?

Thriving in Graduate School: Getting the Research Done

Description: Keeping your focus. Finding your support system. Balancing home and school.

Thriving in Graduate School: Studying Abroad during Graduate School Description: There are study and research abroad opportunities available at the graduate level. Are they beneficial? What is the advantage of them? What are the drawbacks? Should I pursue one?

How to Create a Successful Ph.D. Packet

Topics: What makes a competitive Ph.D. application? How to prepare a Letter of Intent and a CV?

Applying for Ph.D. Programs

Description: Should I stay or leave? Should I already have an advisor in mind? What if I'm not sure what I want to research? Campus Visits. How many is too many applications?

The Professoriate as a Career Choice

Description: What is it like to be a faculty member? Service? Funding? Teaching? Vacation? Family Life?

Doors a Ph.D. Can Open for You

Description: What career opportunities are available other than the professoriate option? Pros and Cons of the different opportunities? What is expected of a person who has earned a Ph.D.?

The Thesis

Topics: Requirements for a thesis? Important milestones and dates? How to make the thesis writing process go as smoothly as possible?

Qualifying and Preliminary Exams

Topics: What's the difference between qualifying and preliminary exams? Who is required to take these exams? Purpose for exam? Who administers these exams? Are there standard formats for the 2 exams? How to prepare for these exams?



End of the Year Symposium

At the end of each academic year, the BTD fellows give presentations on their research to their fellow BTD peers and the LSAMP undergraduate research students.



Bridge to the Doctorate Program

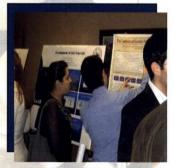
Professional Development Activities

Annual TAMUS LSAMP Symposium

The Annual TAMUS LSAMP Symposium is a mini conference that consists of several workshops, a poster session for TAMUS LSAMP and BTD students to make oral presentations and/or participate in poster presentations based on professor-guided research, and several keynote speakers who motivate and show the students that it is possible to succeed as an URM in STEM fields.











Cohort I

at Texas A&M University (2003-2005)

Shannon Walton



Ph.D. Student - Interdisciplinary Studies

MS - Safety Engineering Texas A&M University

BS - Industrial Engineering Texas A&M University

Maxine Jones



Ph.D. - Chemical Engineering

BS - Chemical Engineering Mississippi State University

Douglas Rodriguez



Ph.D. Student - Mechanical Engineering

BS - Mechanical Engineering Texas A&M University

Deborah Roman Santos



Ph.D. - Water Resources Engineering

MS - Natural Science University of Puerto Rico

BS - Natural Science University of Puerto Rico

Jessica Houston



Ph.D. - Chemical Engineering

MS - Chemical Engineering Texas A&M University

BS - Chemical Engineering New Mexico State University

Erica Reese Bruce



Ph.D. - Civil Engineering

MS - Civil Engineering Texas A&M University

BS - Civil Engineering Texas A&M University

Samuel Rodriguez



Ph.D. Student - Computer Engineering

BS - Computer Engineering Texas A&M University

Migvia del C. Vidal



Ph.D. - Chemical Engineering

BS - Chemical Engineering University of Puerto Rico

Juan Juarez



Ph.D. - Electrical Engineering

MS - Electrical Engineering Texas A&M University

BS - Electrical Engineering Texas A&M University

Julianna Camacho



Ph.D. Student - Environmental Engineering

MS - Environmental Engineering Texas A&M University

> **BS** - Chemical Engineering University of Puerto Rico

Cohort II

at Texas A&M University (2004-2006)

Aldo Gardea



MS Student - Entomology

BS - Entomology Texas A&M University

Alfredo J. Hernandez



Ph.D. Student - Biochemistry

BS - Biochemistry University of Texas-Pan American

Varrian D. Hall



MS - Computer Science

BS - Electrical Engineering Mississippi State University

Dominique Elijah Watts



MS - Wildlife Science

BS - Wildlife Science New Mexico State University

Javier Ramirez III



MS - Agriculture, Physiology of Reproduction

BS - Agriculture, Physiology of Reproduction Texas A&M University-Kingsville

Jennifer Owens



Ph.D. - Applied Mathematics

BS - Applied Mathematics University of Texas, Austin

Kimberly Jones Paulhill



Ph.D. Student - Nutritional Sciences

BS - Nutritional Sciences Texas A&M University

Lindsay Nicole Birt



Ph.D. Student - Agricultural and Biological Engineering Purdue University

MS - Biological and Agricultural Engineering

BS - Agricultural Engineering Texas A&M University

Mayra I. Mendez Pinero



Ph.D. Student - Industrial Engineering

BS - Industrial Engineering University of Puerto Rico

Takesha Y. Henderson



MS - Entomology

BS - Entomology Texas A&M University

Vanessa Alyss Chapa



Ph.D. - Analytical Chemistry

BS - Chemistry Texas A&M University

Shantel Higgins



MS - Electrical Engineering

BS - Electrical Engineering Vanderbilt University

Cohort III

at Prairie View A&M University (2005-2007)

Tumeia Ford



MS - Mechanical Engineering

BS - Mechanical Engineering Prairie View A& M University

Ebony Towns



MS - Mechanical Engineering

BS - Mechanical Engineering Prairie View A&M University

Jolsone Augustin



MS Student - Computer Science

BS - Computer Science University of Maryland

Jerrad Deason



MS Student - Chemical Engineering

BS - Chemical Engineering Prairie View A&M University

Henry Lee III



MS - Electrical Engineering

BS - Electrical Engineering Prairie View A&M University

Ebony Hawkins



MS - Mechanical Engineering

BS - Mechanical Engineering Prairie View A&M University

Lamesha Johnson



Ph.D. Student - Mathematics Rice University

MS - Mathematics

BS - Math Prairie View A&M University

Dana LeDoux



MS Student - Mathematics

BS - Mathematics Prairie View A&M University

Crystal Robinson



MS Student - Electrical Engineering

BS - Electrical Engineering Prairie View A&M University

Sharrone Marshall



MS Student - Electrical Engineering

BS - Electrical Engineering Prairie View A&M University

Richard Tate



MS Student - Electrical Engineering

BS - Electrical Engineering Prairie View A&M University

Randy Wilkins



Ph.D. Student - Mechanical Engineering Texas A&M University

MS - Mechanical Engineering

BS - Mechanical Engineering Prairie View A&M University

Cohort IV

at Texas A&M University (2006-2008)

LaToya C. Anderson



MS - Industrial Engineering

BS - Applied Math Sciences Texas A&M University

Andron Creary



MS - Mechanical Engineering

BS - Mechanical Engineering Florida State University

Chinedu Ezeka



MS Student - Mechanical Engineering

BS - Mechanical Engineering Prairie View A&M University

John Flores-McLaughlin



Ph.D. Student - Nuclear Engineering

BS - Nuclear Engineering Texas A&M University

Eyleen Hernandez



MS - Industrial Engineering

BS - Industrial Engineering University of Florida

Justin Jackson



Ph.D. Student - Aerospace Engineering Georgia Tech (beginning Fall 2008)

MS - Aerospace Engineering

BS - Maritime Systems Engineering Texas A&M University - Galveston

Maya Johnson



Ph.D. Student - Mathematics

BS - Mathematics Lincoln University

Marcus Lopez



MS Student - Electrical Engineering

BS - Electrical Engineering University of Puerto Rico, Mayaguez

Ivory Mayhorn III



ME - Computer Engineering

BS - Computer Science Prairie View A&M University

Jean Njoroge



MS Student - Material Science & Engineering

BS - Chemical Engineering Prairie View A&M University

Aracely Rocha



MS Student - Mechanical Engineering

BS - Mechanical Engineering University of Texas - Pan America

Jacob Torres



Ph.D. Student - Civil Engineering John Hopkins University (beginning Fall 2008)

MS - Civil Engineering

BS - Civil Engineering Texas A&M University



Texas A&M University

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Ms. Shannon Walton

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Co-Principal Investigator / TAMUS

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TAMUS LSAMP Associate Director / BTD Coordinator

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