

TAMARA N. HAMILTON

(Pronouns: she/her/hers)

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EDUCATION

Syracuse University

Syracuse, NY

Doctoral Candidate in Higher Postsecondary Education, in progress. Dissertation Advisor: Dr. Dawn Johnson.

Research interests: broadening participation in STEM, multicultural competence, identity, diversity, equity, inclusion, social justice, belonging, and access.

University of Maryland

College Park, MD

Certificate of Completion, Leadership Development Institute, 2007. Ten-week management training program.

M.A. in Education Leadership and Policy Studies, 2006. Specialization in Higher Education, additional coursework in K-12 education. Advisor: Dr. Jeff Milem.

B.A. in African American Studies, 1999.

PROFESSIONAL EXPERIENCE

2012- *Co-Principal Investigator, Upstate Louis Stokes Alliance for Minority Participation (ULSAMP)*
Director, LSAMP, Syracuse University

- Direct the day-to-day operations of the Upstate LSAMP, a partnership between seven institutions in NY (5 private 4-year institutions and 2 community colleges) which provides direct financial support for approximately 300 underrepresented (UREP) science, technology, engineering, mathematics (STEM) students annually. Responsibilities include hosting board meetings, managing the finances and programming for the alliance, and developing and submitting reports to the sponsor.
- Manage SU LSAMP program. Initiatives include academic year and summer research experiences, academic enrichment seminars, leadership opportunities, professional conference support, and graduate school preparation. Majors include engineering, computer science, biology, neuroscience, physics, chemistry, geology, and information technology.
- Collaborate with STEM Deans, Assistant/Associate Deans for Diversity, Research, and Student Services, faculty, career services, academic advisors and staff of other similar programs to leverage funding and create new opportunities for students.

- Manage the \$4 million budget.
- Set funding levels for alliance partners (subawards). Re-distribute funding as needed. Select and supervise LSAMP staff. Coordinate administration of funds with grants and accounting offices. Serve as program lead on audits. Actively write and submit grants to increase funding for programs.
- Ensure ULSAMP achieves 5-year retention, graduation, and graduate school enrollment goals. In partnership with evaluation team, annually assessing project to modify program activities.
- Communicate with ULSAMP alliance partners via Zoom, phone, and email to ensure compliance with NSF guidelines. Serve as the liaison between NSF Program Officers, alliance partners, and SU grants and financial units. Attend mandatory PI meetings on behalf of the alliance.
- Create new collaborations and meet with various stakeholders to establish partnerships for the alliance and SU program.
- Strengthen branding of ULSAMP to increase visibility locally and nationally. Facilitate presentations locally, regionally, and nationally to promote alliance programs and recruit new students to the program.

2000-2012 *Assistant Director, Center for Minorities in Science and Engineering (CMSE)*
Program Director, LSAMP Program
Program Coordinator, CMSE, University of Maryland, College Park

- Directed all aspects of the LSAMP retention programs for approximately 150 students in the STEM majors. Initiatives included freshman bridge program, undergraduate research program, graduate fellowship program, professional conference support, and alumni outreach. Supervised staff.
- Served as the lead on the \$3 million audit of the LSAMP Phase II grant in 2006.
- Cultivated on-going relationships with corporate and alumni donors to solicit sponsorship for programs. Participated in annual fundraising campaign of approximately \$75,000 for awards banquet, summer programs, and other CMSE initiatives.
- Directed the LSAMP budget and managed financial accounts.
- Taught first-year seminar for LSAMP students.
- Worked with STEM faculty to collaborate on initiatives to ensure students' successful completion of degree programs.

OTHER RELEVANT PROFESSIONAL EXPERIENCE

2013- *Advisor, National Society of Black Engineers (NSBE) Pre-College Initiative, Syracuse, NY*

- Syracuse University representative on the Syracuse City School District NSBE Jr. Advisory Board.
- Provide STEM programming for pre-college students.
- Provide recommendations for program improvement.

2010 *Consultant, Garden State LSAMP Program, Rutgers University, New Brunswick, NJ*

- Presented workshop on LSAMP Program to 30-40 administrators in the alliance.
- Facilitated roundtable discussions for administrators to assist with STEM programming.

2005-2006 *Program Evaluator, Maryland Math, Engineering, Science Achievement Program (MESA), Prince George's County Regional Center, Laurel, MD*

- Completed evaluation to study the relationship between MESA's objectives and program outcomes.
- Analyzed quantitative data on participants and facilitated interviews with administrators and board members.
- Created and published Regional Center's annual report.
- Submitted recommendations to administrators for future K-12 programs.

TEACHING EXPERIENCE

Syracuse University

Syracuse, NY

- FYS 101: First Year Seminar (Lead Instructor)
- HED 722: College Student Development II (Instructor)
- HED 721: College Student Development I (Teaching Assistant)

University of Maryland

College Park, MD

(Instructor for all courses)

- ENES 107: Achieving College Excellence
- ENES 108: Achieving College Success: First Year Transition
- CMPS 299: Special Topics
- CMPS 299T: Bridge: 1st Year Transition

PUBLICATIONS

Peer-Reviewed Papers

Hamilton, T., Williams, C., and Bouldin, C. (2023, Feb.). *Inclusive Innovation: Reframing STEM Research in COVID-19*. Paper accepted for the CoNECD Conference, New Orleans, LA.

Hamilton, T. and Parker, R. (2010, April). *UMCP LSAMP: 15 Years of Successful Retention and Graduation of Underrepresented Minority Students*. Paper presented at the NAMEPA/WEPA National Conference, Baltimore, MD.

PRESENTATIONS

Peer-Reviewed Presentations

Hamilton, T., Harrison, D. and Wagstaff, T. (2014, Oct.) *Initiatives for Community College Students*. Session presented at the Louis Stokes Midwest Center for Excellence Conference, Chicago, IL.

Hamilton, T. and Wagstaff, T. (2013, Oct.). *Upstate Louis Stokes Alliance for Minority Participation*. Poster presented at the Louis Stokes Midwest Center for Excellence Conference, Indianapolis, IN.

Hamilton, T. (2011, Oct.). *Bridging the Gap between High School and College: Are High Schools Preparing Students to Be Successful in Engineering Programs?* Case study presented at NAMEPA Region A Conference, New Brunswick, NJ.

Hamilton, T. and Carter, J. (2005, April). *Collaborative Initiatives for Underrepresented Student Retention and Graduation*. Session presented at the WEPAN/NAMEPA National Conference, Las Vegas, NV.

Invited Presentations

Cartwright, D., Hamilton, T., Huff, A., Mellgren, E., Ruiz, A., & Williams, F. (2021, Oct.). *Alliance to Alliance: LSAMP Brainstorming Roundtables*. Session presented at the virtual Louis Stokes Midwest Regional Center of Excellence Annual Conference.

Hamilton, T. (2020, August). *Rethinking Programming in COVID-19*. Webinar presented to the membership of the National Association of Multicultural Engineering Program Advocates, Inc.

Campos, N., Coover, G., Davis-Lowe, E., Hamilton, T., Morales, B., & Williams, F. (2019, Oct.). *LSAMP Alliance Management: Scaling Out Best Practices*. Session presented at the Louis Stokes Midwest Regional Center of Excellence Annual Conference, Indianapolis, IN.

Hamilton, T. (2018, Feb.) *Upstate Louis Stokes Alliance for Minority Participation*. Session presented at the Science and Engineering for Social Good Conference, Atlanta, GA.

Hamilton, T. (2015, July) *Why Graduate School?* Presentation given as part of SYNERGY Internship Program. Syracuse, NY.

Hamilton, T. (2014, Nov.) *Initiatives for Community College Students*. Session presented at the NAMEPA National Conference, San Jose, CA.

Hamilton, T. and Hernandez, S. (2013, Oct). *Funding for Graduate School*. Session presented at the GEM GRAD Lab, Rochester Institute of Technology, Rochester, NY.

Hamilton, T. (2013, April). *Funding for Graduate School*. Panelist at Indiana LSAMP Student Conference, West Lafayette, IN.

GRANTS

National Science Foundation

- Pending *Louis Stokes Renewal STEM Pathways and Research Alliance: New York State's Upstate LSAMP (ULSAMP)* [PI: G. Ritter, Co-PIs: T. Hamilton, D. Johnson, R. Osgood, & S. Schuhert], Syracuse University, \$2,500,000.
- 2017-2023 *Upstate New York LSAMP: Strengthening the Pipeline Between Two and Four Year Institutions* [PI: G. Ritter/M. Wheatly, Co-PIs: T. Hamilton, D. Johnson, A. Costello Staniec, & C. Engstrom], Syracuse University, \$4,000,000.
- 2012-2017 *Upstate Louis Stokes Alliance for Minority Participation*, [PI: E. Spina, Co-PIs: E. Boyd, A. Costello Staniec, T. Hamilton, & J. Wiles], Syracuse University, \$2,504,432.
- 2012-2014 *Bridge to the Doctorate at UMCP, 2012-2014*, [PI: F. Hrabowski III; Co-PIs: C. Hill, T. Hamilton & R. Parker], University of Maryland, College Park, \$987,000.
- 2011-2016 *University System of Maryland, Louis Stokes Alliance for Minority Participation, 2010-2015 (Senior-Level Alliance Project)*, [PI: F. Hrabowski III, Co-PIs: C. Hill; senior personnel: T. Hamilton & R. Parker], University of Maryland, College Park, \$2,000,000.
- 2010-2012 *Bridge to the Doctorate at UMCP*, [PI: : F. Hrabowski III, Co-PIs: C. Hill, T. Hamilton & R. Parker], \$987,000.
- 2008-2010 *University of Maryland System Bridge to the Doctorate - Cohort III*, [PI: F. Hrabowski III, Co-PIs: C. Hill, T. Hamilton & R. Parker], \$987,000.
- 2006-2008 *University of Maryland System Bridge to the Doctorate - Cohort II*, [PI: F. Hrabowski III, Co-PIs: C. Hill, senior personnel: J. Carter; campus directors: T. Hamilton & R. Parker] \$987,000, supplemental grant to HRD-0503332.

National Grid

- 2019 *Upstate Louis Alliance for Minority Participation*, Syracuse University, \$2,500

Syracuse City School District/National Grid

- 2022-2023 *LSAMP/NSBE Science Camp 2022*, Syracuse University, \$39,500
- 2019-2020 *LSAMP/NSBE Science Camp 2019*, Syracuse University, \$34,500
- 2018 *LSAMP/NSBE Science Camp*, Syracuse University, \$34,500
- 2017 *LSAMP/NSBE Science Camp*, Syracuse University, \$34,500
- 2016 *LSAMP/NSBE Science Camp*, p Syracuse University, \$34,500

2015 *LSAMP/NSBE Science Camp, Syracuse University, \$34,000*

2013-2015 *National Grid NSBE/LSAMP Science Camp, Syracuse University, \$70,000*

Monroe Community College

2017 *Summer Research Scholars, Syracuse University, \$9,000*

ExxonMobil Corporation

2012 *Bridge Program for Scientists and Engineers, University of Maryland, College Park, \$10,000*

Central Intelligence Agency

2009 *Student Recognition and Alumni Banquet, University of Maryland, College Park, \$5,000*

2008 *Student Recognition and Alumni Banquet, University of Maryland, College Park, \$5,000*

UNIVERSITY SERVICE

Syracuse University

Syracuse, NY

2022- Center for Academic Achievement and Student Development (CAASD)
Representative on the School of Education Dean's Council

2022- Scientific Inquiry & Research Skills (SIRS) Shared Competency Community of Practice

2021- Co-lead, Engaged BIPOC Scholar-Practitioner Program

2013- Chapter Advisor, National Society of Black Engineers (NSBE) Collegiate Chapter

2021 Member, School of Education's Strategic Re-Visioning Plan, Graduate Student Recruitment and Climate Workgroup

2020-2022 Member, Future Faculty Program (FPP)

2018-2021 Member, School of Education Diversity Committee

2018-2019 CAASD Representative on the School of Education Dean's Council

2014-2019 Posse Atlanta 3 Program Mentor

University of Maryland

College Park, MD

- 2008-2012 Advising Community Forum
- 2008-2012 Clark School of Engineering Scholarship Committee
- 2000-2012 Clark School of Engineering Advising Committee

CONFERENCE PAPER REVIEWING

- 2018- Reviewer, *The Collaborative Network for Engineering and Computing Diversity (CoNECD) Conference*

PROFESSIONAL AFFILIATIONS AND LEADERSHIP

National Association of Multicultural Engineering Program Advocates (NAMEPA), Inc.

- National Treasurer and Board of Directors Member, 2021-present
- National Secretary and Board of Directors Member, 2018-2021
- National Membership Chair and Board of Directors Member, 2010-2013, 2017-2018
- Special Task Force: Student Research and Professional Development, 2015-2016
- Chair, Region A, 2008-2010
- Chair-Elect, Region A, 2006-2008
- Treasurer, Region A, 2002-2006
- Member, 2000-present

Central NY LSAMP Alliance

- Advisory Board Member, 2022-present

Alumni Chapter Board, College of Behavioral and Social Sciences, University of Maryland, College Park

- Co-chair, Diversity Sub-committee, 2012-2014
- Board Liaison to African-American Studies Department, 2011-2016
- Member, 2011-2016

Upstate New York Diversity Summit

- Co-Chair, 2014-2017

INROADS New York/New Jersey Region

- Board Member, 2016-2017

COMMUNITY AFFILIATIONS AND LEADERSHIP

Syracuse City School District NSBE Jr. Chapter, NY

- Co-advisor, 2013-present
- Math Counts Middle School Coach, 2013-2014

Alpha Kappa Alpha Sorority, Inc., Iota Nu Omega Chapter, Syracuse, NY

- Vice President, 2017-2022
- Corresponding Secretary, 2020-2022
- Protocol Chairman, 2018-2020
- Educational Advancement Foundation Chairman, 2017-2018
- One Million Backpacks Chairman, 2017-2018
- Member, 2016-present

Lambda Kappa Mu Sorority, Inc. Xi Chapter, Syracuse, NY

- 2nd Vice President and Membership Chair, 2014-2018
- Scholarship Chair, 2015-2016
- Member, 2014-present

Lincoln Middle School

- Mentor/Mentee Program, 2017-2018

National Council of Negro Women, Inc.

- Member, Syracuse Section, 2012-2014
- President, Mitchellville/Bowie Section, 2012
- Financial Secretary, Mitchellville/Bowie Section, 2008-2012
- Member, Mitchellville/Bowie Section, 2006-2012

AWARDS AND HONORS

2022	Region 1 Key Contributor Award, National Society of Black Engineers
2012	NSBE/ExxonMobil Impact Award, National Society of Black Engineers
2010	Research Leader, University of Maryland, College Park
2009	Outstanding Region Chair Award, National Association of Multicultural Engineering Program Advocates (NAMEPA), Inc.
2008	Research Leader, University of Maryland, College Park
2006	Research Leader, University of Maryland, College Park