DEPARTMENT OF
CHEMISTRY AND BIOCHEMISTRY

THE OHIO STATE UNIVERSITY

Chemistry Bridge Program

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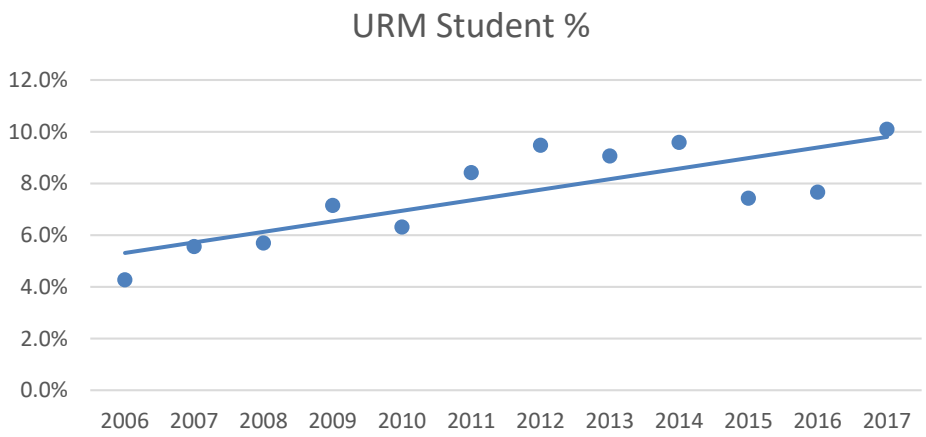
Diversity in STEMM

URM Degree Attainment in Chemistry

Source: IPEDS Completion Survey By Race (2013-2017)

Chemistry Grad Student Diversity



Year	All Chem/Biochem B.A./B.S.	URM[a] Chem/Biochem B.A./B.S.	All Chem M.S.	URM[a] Chem M.S.	All Chem Ph.D.	URM[a] Chem Ph.D.
2014-2015	129	10	19	1	21	2
2015-2016	137	16	18	0	29	2
2016-2017	151	13	11	2	46	3
2017-2018	147	20	14	2	37	4
2018-2019	110	10	10	3	36	2
Total	**674**	**69 (10%)**	**72[b]**	**8 (11%)**	**169**	**13 (8%)**

ACS Bridge Project

The Bridge Project has the following goals

- Increase, within 10 years, the fraction of chemical science PhDs awarded to underrepresented minority students to match the fraction of chemical science Bachelor's degrees granted to these groups
- Develop, evaluate, and document a sustainable model bridging experiences that improve the access to and culture of graduate education for all students, with emphasis on those underrepresented in doctoral programs in chemical sciences
- Promote and disseminate successful program components to the chemical science community

Program Overview

- One-year post-baccalaureate program
- 4 students per year with full funding
  - Generous matching from ASC, GS
- Transition to Ph.D. or M.S.

- ASC Bridge Partner
- 2 student pilot implementation

- ACS Bridge Site

Project Elements

- Enhanced orientation, Physics Bridge synergy
- Undergraduate and graduate classes
- Rotations, lab group “embed” and summer research project
- Tutoring, mentoring, monitoring
  - Mentor training (LSAMP, NRMN)
- Community

Admissions

- Admissions after April 15
  - ACS portal and our files
- Core coursework, research potential/skills, ‘grit’
- Interview
- Bridge directors, Admissions Committee, Vice Chair
- Recruiting
  - Cleveland State, Central State, Wilberforce, WVSU
  - Oakwood and Alabama A&M
  - NOBCChE Collaborative (Hampton, JSU, WSSU)

Synergistic Activities

- **Physics Bridge Program**
- NOBCChE/SACNAS clubs/mentors
- ODI GPS
- ODI Orientation
- LSAMP Training
- SROP
- ABRCMS, SACNAS, NOBCChE meetings
- ASC and GS Fellowships and MTFA
- Younkin Success Center
- Counseling and Consultation Services
- OUAB Grad/Prof

Future

- Transition to PhD or MS programs
- Implementation at scale
- Recruiting/building the pool
- Sustainability

Thank you.

- What questions do you have?

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