

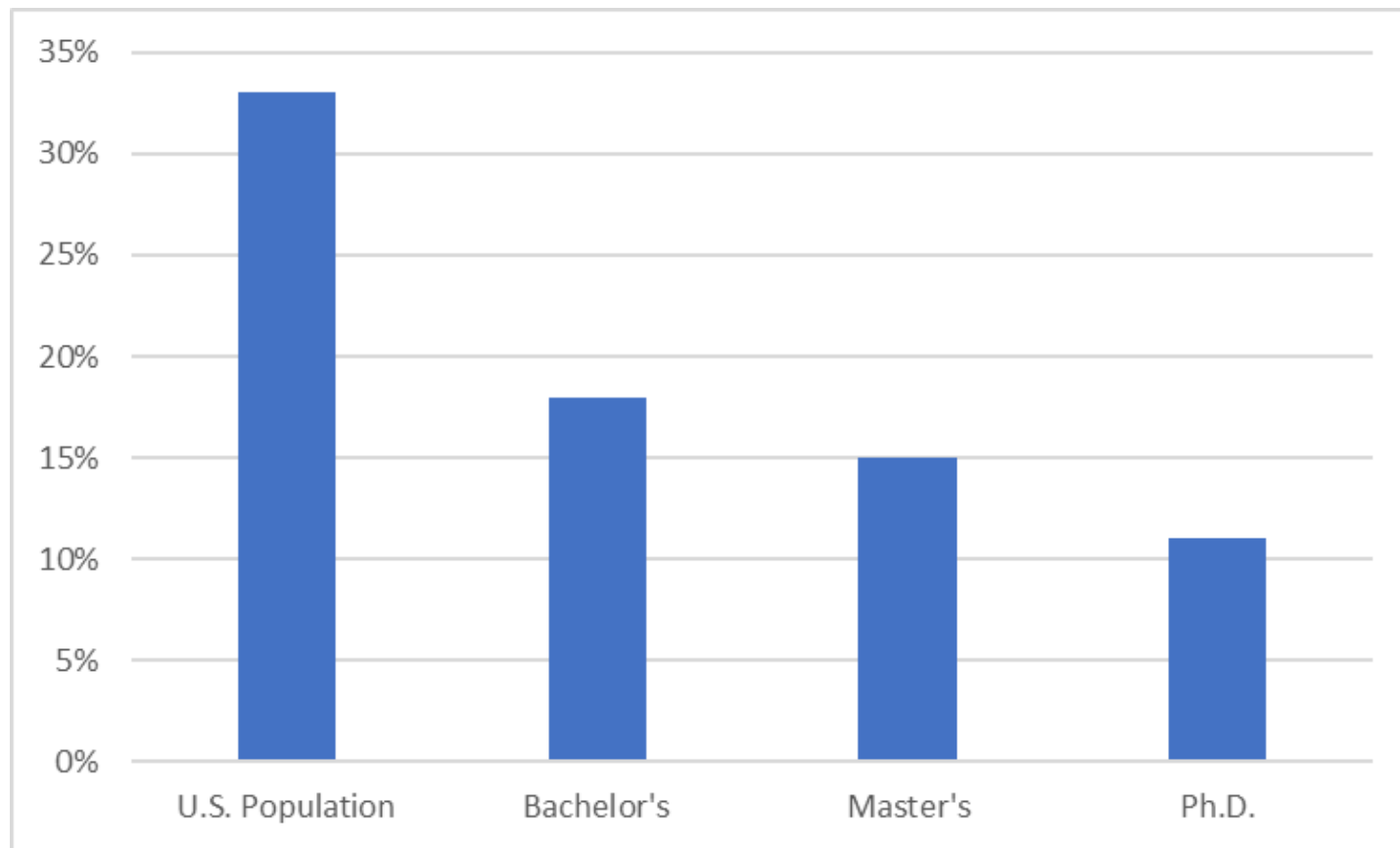
Chemistry Bridge Program

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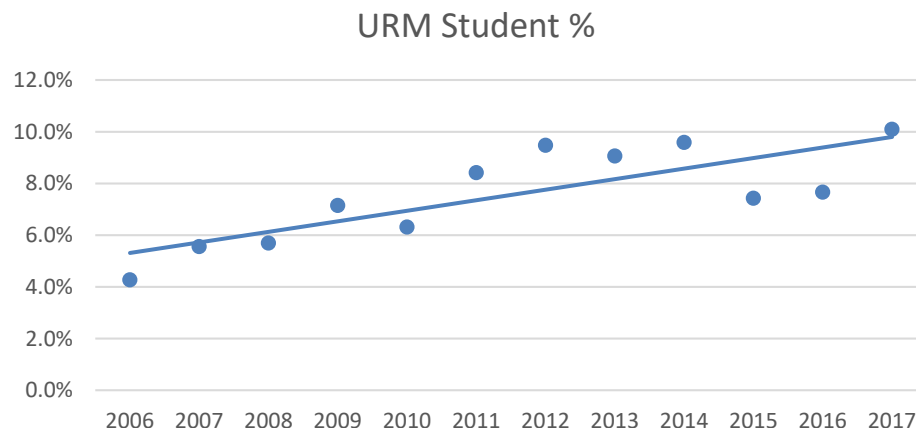
Diversity in STEMM

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



American Chemical Society

ACS Bridge Program
powered by IGEN
Inclusive Graduate Education Network

GET INTO GRAD SCHOOL WITH ACS

The ACS Bridge Program (ACS-BP) seeks to increase the number of students from underrepresented minority groups obtaining a PhD in the chemical sciences. ACS-BP students enter programs that provide research experience, advanced coursework, mentoring, and coaching to prepare a graduate school application.

Students who have not applied to graduate school, or who have applied but were not accepted, may be offered:

- A free common application that will be shared with participating departments
- Resources to strengthen applications
- Connections to faculty and mentors
- Networking opportunities with other ACS-BP students

Learn more and apply at
www.acs.org/bridgeprogram



The ACS Bridge Project (Bridge Program and Bridge Travel Awards) has support from the National Science Foundation (NSF) through grant NSF-1834545 and the American Chemical Society. The ACS Bridge Project is a part of the NSF INCLUDES Alliance: Inclusive Graduate Education Network (IGEN). For more information, about IGEN, visit IGENetwork.org. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.



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



THE OHIO STATE UNIVERSITY

DEPARTMENT OF
CHEMISTRY AND BIOCHEMISTRY

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
- Yunkin 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?
- Tom Magliery, magliery.1@osu.edu