



National Science Foundation funded
State University of New York (SUNY)
Louis Stokes Alliance for Minority Participation (LSAMP)
Broadening Participation in Science Technology
Engineering & Mathematics (STEM)

Candice J. Foley, Ph.D., Suffolk County Community College

Shanise N. Kent, J.D., M.B.A., University at Albany, SUNY

Stacie S. Nunes, Ph.D., SUNY New Paltz

Outline

- About the presenters
- About the SUNY LSAMP Alliance
 - History
 - Institutions
 - Goals
- Key Outcomes
- Questions & Answers

About the Presenters

Candice J. Foley, Ph.D., NSF S STEM PI/Chair, Professor of Chemistry, Suffolk County Community College

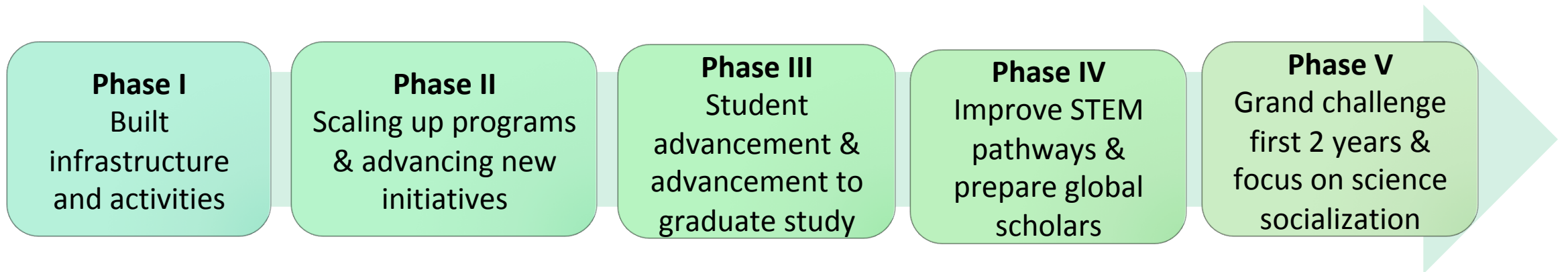
Shanise N. Kent, J.D., M.B.A., Assistant Dean, Office of Graduate Education, University at Albany, SUNY

Stacie S. Nunes, Ph.D., Chair, Department of Physics and Astronomy, SUNY New Paltz



About SUNY LSAMP: History

- Funded since 1996
- Accomplish goals and objectives in the context of:
 - Curricular and pedagogical innovations in STEM education
 - Innovative and evidence based cognitive and social support network
 - Experiential learning that leads to research and practice in upper division and graduate students
 - Scholarship and research about STEM education

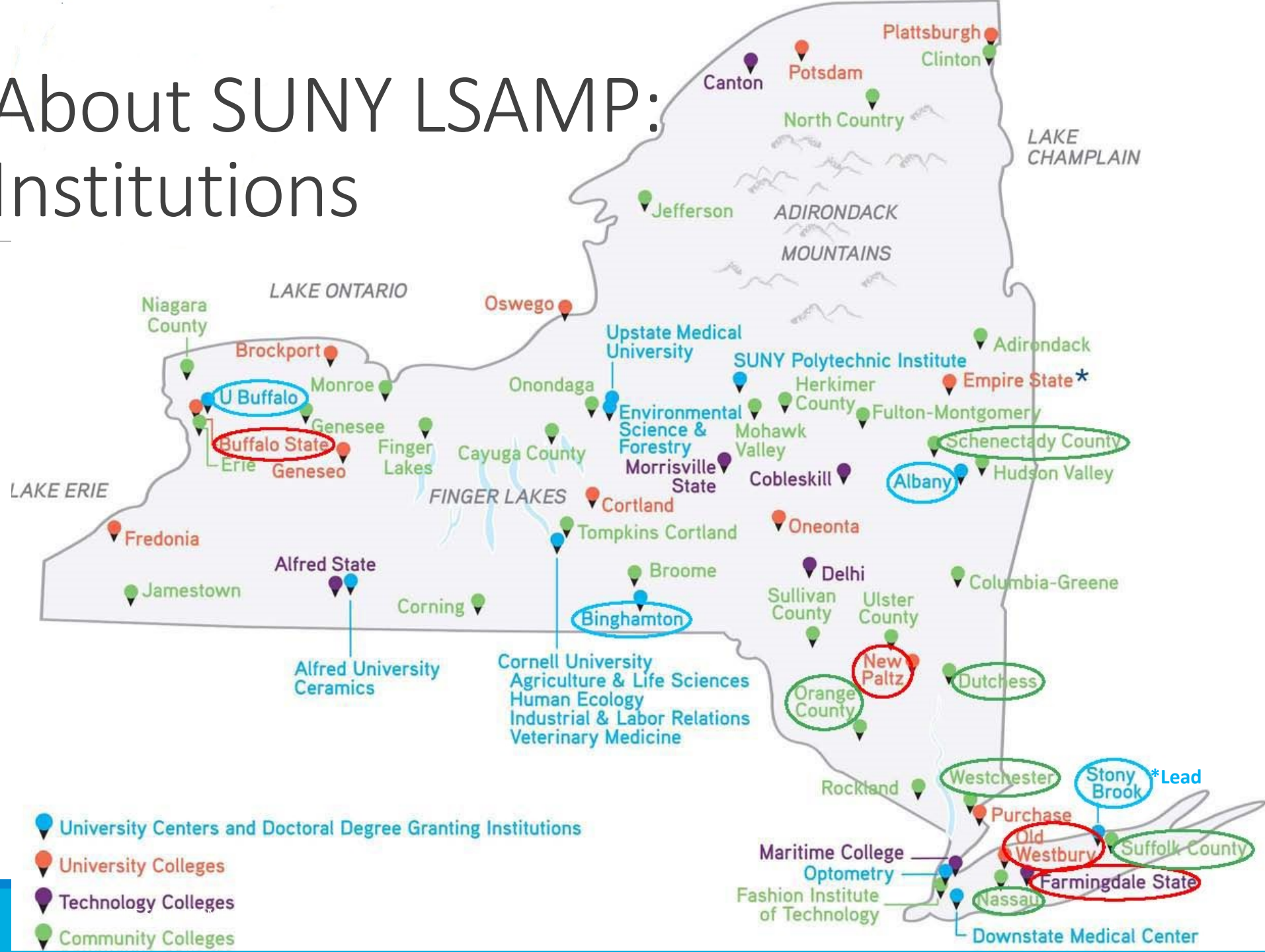




About SUNY LSAMP: Institutions

Additional partners include:

- NSF funded SUNY Alliances for Graduate Education and the Professoriate (AGEP) Transformation
- New York State Education Department funded Collegiate/ Science and Technology Entry Programs (CSTEP, STEP)
- U.S. Department of Energy's Office of Science funded Brookhaven National Laboratory





About SUNY LSAMP: Goal 1

GOAL 1: To meet the grand challenge of preparing UREP students for successful transition into STEM majors by:

1. Providing comprehensive support services that stress academic and social integration in the first two years with an emphasis on necessary math skills for STEM majors
2. Providing activities at the two year colleges that prepare students for transfer to four year institutions and at the four year institutions for new transfer students
3. Using the results of the SUNY LSAMP FIT research grant to identify factors that lead to STEM success among underrepresented groups
4. Using the results of the current research grant to identify the best interventions to help UREP community college students successfully transfer to four year STEM programs

STEMPrep Week 2017 – Morning Schedule

	Sunday 8/21	Monday 8/22	Tuesday 8/23	Wednesday 8/24	Thursday 8/25
8:00		Breakfast: Hasbrouk Dining Hall, 8:00-9:00 AM	Breakfast: Hasbrouk Dining Hall, 8:00-9:00 AM	Breakfast: Hasbrouk Dining Hall, 8:00-9:00 AM	
9:00					
10:00	Check in Residence Halls 10:00 AM - 12:00 PM	Math Instruction 9:00-11:15AM Science Hall TBA	Math Instruction 9:00-11:15AM Science Hall TBA	Math Instruction 9:00-11:15AM Science Hall TBA	Math Exam 10:00-11:15AM Science Hall TBA
11:00					
12:00	Lunch & Orientation 12:00 PM - 1:00 PM Science Hall Atrium (Second Floor)	Lunch: Hasbrouk Dining Hall 11:30AM-12:15PM	Lunch: Hasbrouk Dining Hall 11:30AM-12:15PM	Lunch: Hasbrouk Dining Hall 11:30AM-12:15PM	Lunch: Hasbrouk Dining Hall 11:30AM-12:15PM
1:00	Introductions using PPT 1:00 PM - 2:00 PM	Math Problem Sets 12:30-1:30PM Science Hall TBA	Math Problem Sets 12:30-1:30PM Science Hall TBA	Math Problem Sets 12:30-1:30PM Science Hall TBA	Math Exam Review 12:30-1:30PM Science Hall TBA

STEMPrep Week 2017 - Afternoon Schedule

	Sunday 8/21	Monday 8/22	Tuesday 8/23	Wednesday 8/24	Thursday 8/25
2:00	Beginning with Your Success In Mind 2:00 PM - 3:00 PM Science Hall TBA	Campus Scavenger Hunt 1:45 PM - 3:15 PM	Computer Science Projects 1:45 PM - 3:15 PM Location TBA	Lab Tours 1:45 PM - 2:45 PM Location TBA	Science Projects 1:45 PM - 3:15 PM Location TBA
3:00	Snack Break 3:00 PM - 3:30 PM	(Snack Break 3:00 PM)		Computer Science Projects 3:00 PM - 4:30 PM Location TBA	Snack Break 3:15 PM - 3:30 PM
4:00	Goal Setting 3:30 PM - 4:30 PM Science Hall TBA	Computer Science Projects 3:30-5:00 Location TBA	Citizen Scientists Stream Assessment 3:30 PM - 6:00 PM Location TBA	Faculty Panel 4:45 PM - 5:45 PM The College Terrace	Review/Edit Goals & Program Debrief 3:30 PM - 5:30 PM Location TBA
	Note Taking Skills 4:30 PM - 5:00 PM Science Hall TBA				
5:00	Dinner at a local restaurant 5:00 PM - 7:00 PM	Test Taking Skills 5:00 PM - 5:30 PM Location TBA			Students join Orientation Groups 5:00 PM
6:00		Dinner with returning AC ² Students 5:30 PM - 7:00 PM Location TBA	Dinner 6:00 PM Location TBA	Dinner 5:45 PM - 7:00 PM The College Terrace	
7:00 - 9:00	Work on Goals Essay 7:00 PM - 9:00 PM	Studying and Tutoring Time Location TBA	Studying and Tutoring Time Location TBA	Studying and Tutoring Time Location TBA	

Student Success Course



Upon completion of this course students will be:

- Proficient in oral presentations
- Able to improve oral presentations in response to critiques
- Skilled in listening to and critiquing oral presentations
- Able to demonstrate an awareness of diversity and understand different perspectives
- Familiar with Science, Technology, Engineering & Mathematic (STEM) careers
- Introduced to STEM research
- Familiar with campus resources, personal learning styles and time management skills

Partnerships and Collaborations via Grant-Funded Initiatives

- National Science Foundation Scholarships for Science, Technology, Engineering, and Mathematics – NSF S-STEM (2006-11;2011-16,2016-21)
- NSF LSAMP (2016-2021)
- NYS CSTEP
- NSF ATE (2013-15 & 2015-18)
- NSF SENCER/Helmsley (2013-2017)
- NIH IRACDA-CAPS (2012-17, 2017-22)
- NSF GeoCORE



SENCER

SCIENCE EDUCATION FOR NEW CIVIC ENGAGEMENTS AND RESPONSIBILITIES





About SUNY LSAMP: Goal 2

GOAL 2: To focus on providing experiential activities that lead to socialization into science by:

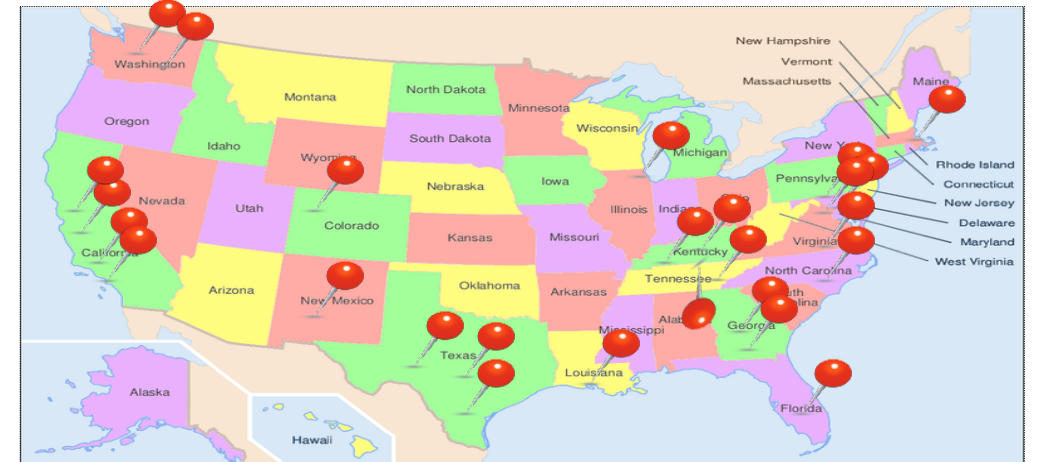
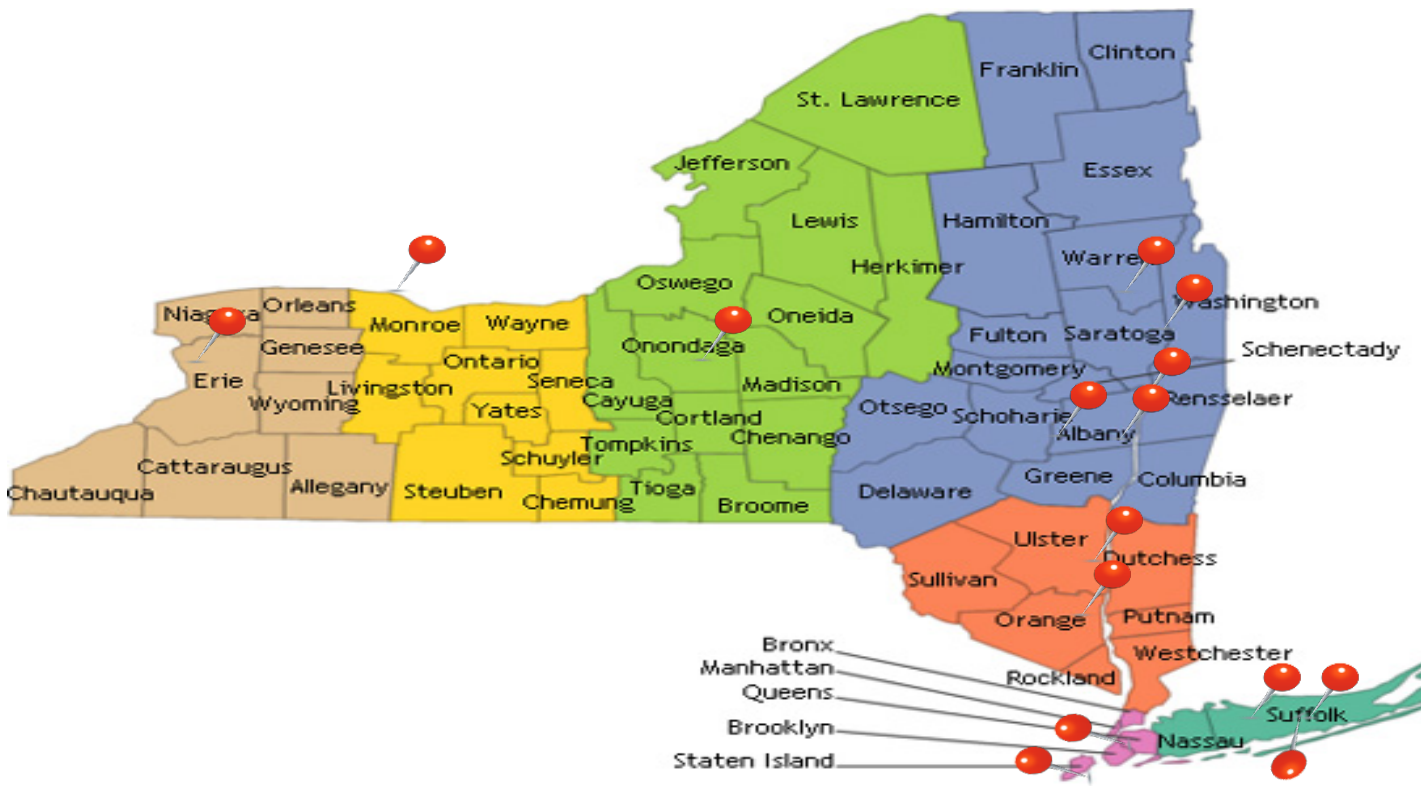
1. Providing research opportunities, both domestic and international
2. Providing experiences that increase students STEM professional skills and experience
3. Preparing students for successful preparation for and entry into STEM graduate school

STEM Scholars: Paid Research Internships

- Department of Energy National Laboratories Community College Initiative (CCI) and Science Undergraduate Laboratory Internship (SULI)
 - Brookhaven National Laboratory, NY
 - Oak Ridge National Laboratory, Tennessee
 - Lawrence Berkeley National Laboratory- California
 - Los Alamos National Laboratory- New Mexico
 - Pacific Northwest National Laboratory – Richmond, Washington
 - Idaho National Laboratory
- Science Energy Research Challenge (SERCh) with DOE
- NASA- Texas
- REU and Garcia Center at Stony Brook University



Oh the places you've been...






FALL 2017 CALENDAR

SEPTEMBER

- 9/7 WELCOME BACK EVENT FOR NEW & RETURNING STUDENTS
- 9/14 GETTING EXCELLENT LETTERS OF RECOMMENDATION
- 9/19 DAVID FERGUSON TALK
- 9/23 COMMUNITY SERVICE TRIP
- 9/28 CAN I STUDY ABROAD?

OCTOBER

- 10/12 RESUMES & COVER LETTERS
- 10/14-15 BINGHAMTON GRAD LAB
- 10/26 FINDING & APPLYING TO SUMMER OPPORTUNITIES

NOVEMBER

- 11/9 WRITING WORKSHOP: PERSONAL STATEMENTS

EVENTS TO ADD: NETWORKING & ETIQUETTE DINNER, DE-STRESS BEFORE FINALS, MID-TERMS EVENT?



SPRING 2018 CALENDAR

FEBRUARY

- 2/1 PERSONAL STATEMENT WORKSHOP, SH 272 5:00PM-7:00PM
- 2/13 ADVOCACY DAY, ALBANY, NY, VOLUNTEERS NEEDED! 8:30AM-3:00PM
- 2/15 NETWORKING TIPS, SH 272 5:00PM-7:00PM
- 2/21 ENGINEERING DAY VISIT, VOLUNTEERS NEEDED! LUNCH TIME TBD
- 2/27 ENGINEERING BANQUET, NEW WINDSOR, NY 5:00PM-9:00PM

MARCH

- 3/5 MOCK INTERVIEW WORKSHOP, LOCATION & TIME TBD
- 3/22 CAREER DAY, WALLKILL, NY, VOLUNTEERS NEEDED! 8:00AM-1:30PM

APRIL

- 4/2 SUMMER RESEARCH PROGRAM APPLICATIONS DUE BY 5PM!
- 4/13-15 CSTEP CONFERENCE, LAKE GEORGE, NY
- SCIENTISTA SYMPOSIUM, MICROSOFT TECHNOLOGY CENTER, NYC
- 4/16 OUTSTANDING SCHOLARS APPLICATIONS DUE BY 5PM!
- 4/28 WOMEN IN STEM SYMPOSIUM, LOCATION TBD 9:30AM-2:00PM

MAY

- 5/4 AC² RECOGNITION DINNER, COLLEGE TERRACE 6:00PM-8:00PM

Graduate School Prep Course

Upon completion of this course students will have:

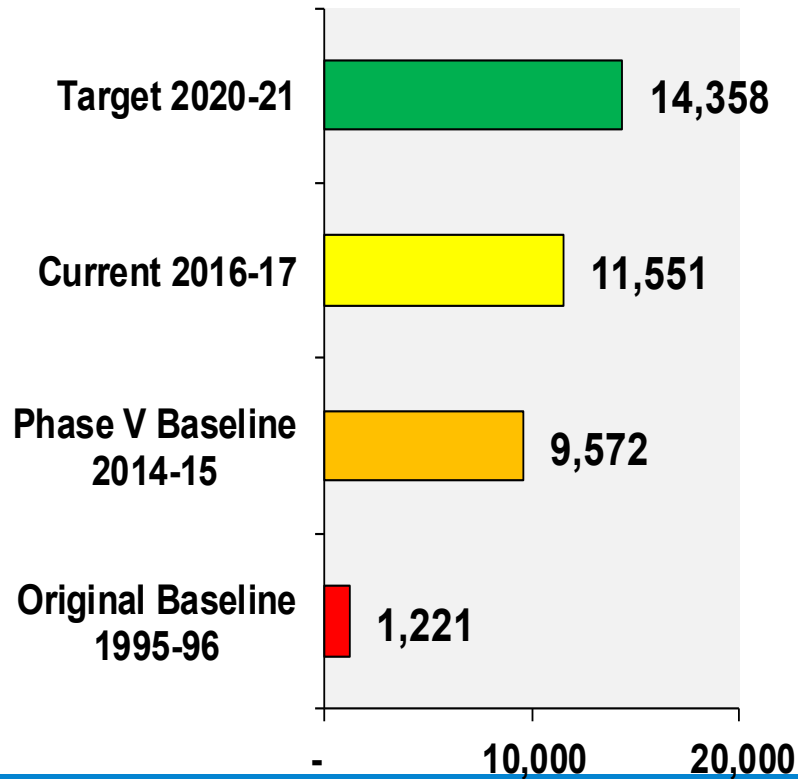
- Become familiar with:
 - the benefits of obtaining a graduate education,
 - how to identify appropriate graduate school programs,
 - graduate school admission exams, and
 - graduate school funding opportunities
- Completed three drafts of their graduate school personal statement
- Obtained letters of recommendation for graduate school



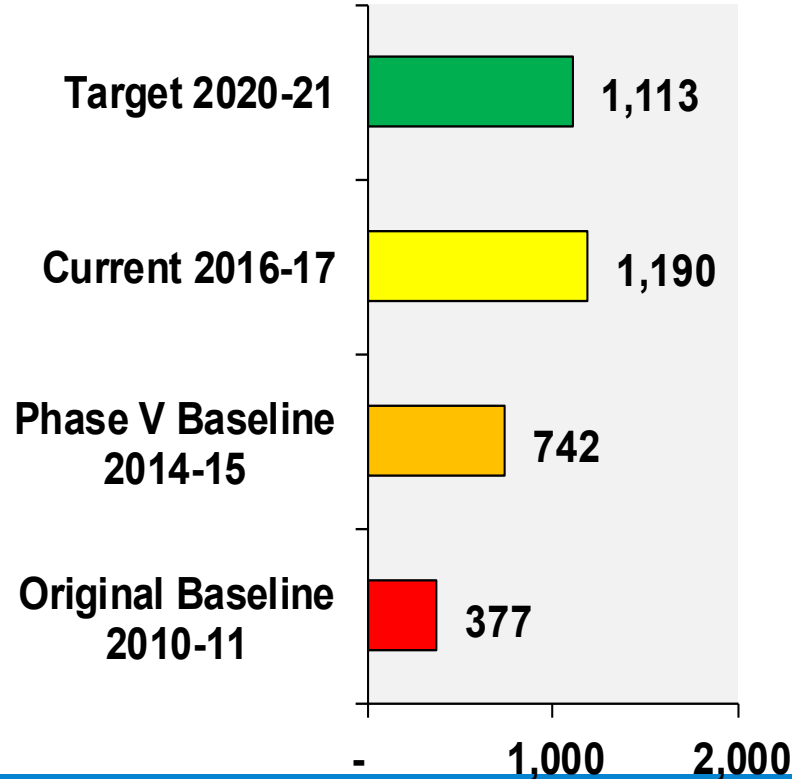


Key Outcomes

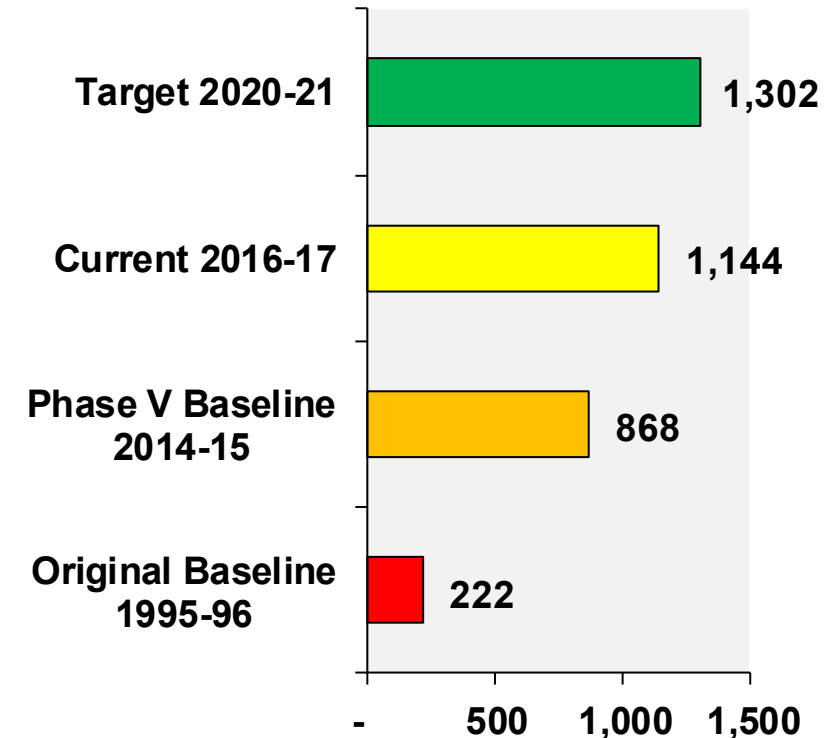
UREP STEM Enrollment



UREP STEM Transfers



UREP STEM Bachelor's Degrees



Questions?

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Thank you!