

**Resolution on Fellowships to support graduate research for SUNY undergraduate students who wish to attend graduate school**

**Whereas**, there are limited external funding sources for graduate student research in both STEM and non-STEM areas and

**Whereas**, many outstanding SUNY undergraduate students engage in research projects but go elsewhere for graduate studies, and

**Whereas**, findings from the 2015 Study of How to engage SUNY-STEM graduates in New York State indicates that the primary reason cited that outstanding SUNY undergraduate students who engage in research projects leave the SUNY System for post-baccalaureate degrees is a lack of graduate fellowships; and

**Whereas**, each campus faculty value the research agendas of its undergraduate students, and

**Whereas**, student research is seen as important link to economic development and jobs in New York State

**Therefore be it resolved** that the University Faculty Senate encourages the SUNY administration to explore the feasibility of offering a Chancellor's graduate fellowship at each campus to an outstanding undergraduate SUNY student to begin their graduate work at a SUNY institution.

History:

- 1) Governor Cuomo recognizes the importance of SUNY student research and its impact on economic development (<https://www.suny.edu/suny-news/press-releases/september-2014/9-16-14-gov-nysuny-2020/governor-cuomo-awards-55-million-through-nysuny-2020-challenge-grant.html>)
- 2) Chancellor Zimpher emphasizes the importance of growth through our students and our research in the 2010 Strategic Plan.
- 3) Findings from the 2015 Study of How to engage SUNY STEM graduates in New York State

Hypothesis: programs initiated at the campus will help to retain talent within NYS

Methodology: phase 1: survey graduate deans to identify what programs are currently in place at campuses; Phase 2: survey alumni to find out if they are employed in NYS and if they are employed in their field of study.

Results: We received responses from 18 graduate deans and 63 graduate alumni, most of whom (89%) received a masters degree. The data from the Dean’s survey recognized the importance of assistantships.

Question 1: What do you believe are the most important and effective ways you recruit current New York State students into STEM graduate degree programs?

Descriptive Statistics

	N	Minimum	Maximum	Mean		Std. Deviation	Skewness	
	Statistic	Statistic	Statistic	Statistic	Std. Error	Statistic	Statistic	Std. Error
Offering Graduate Assistantships	10	4.00	5.00	4.9000	.10000	.31623	-3.162	.687
Building informative websites that describe programs and opportunities	10	4.00	5.00	4.6000	.16330	.51640	-.484	.687
Undergraduate Campus Visits	10	2.00	5.00	3.9000	.34801	1.10050	-1.013	.687
Availability of Graduate Internships	9	2.00	5.00	3.8889	.30932	.92796	-.944	.717
Combined Degree Programs	9	2.00	5.00	3.7778	.27778	.83333	-1.166	.717
Open Houses	9	2.00	5.00	3.5556	.29397	.88192	-.214	.717
Publishing Graduate Student Salary/Stipend Rates, etc.	9	2.00	4.00	3.3333	.28868	.86603	-.825	.717
Graduate Fairs	10	1.00	4.00	3.3000	.33500	1.05935	-1.444	.687
Valid N (listwise)	8							

The deans believe that the best way to recruit students to STEM graduate programs is to offer graduate assistantships and to build informative websites that describe programs and opportunities. Similar responses were recorded for questions asking about recruiting New York State students into non-STEM programs as seen in the data below.

Question 10: What do you believe are the most important and effective ways you recruit current New York State students into non-STEM graduate degree programs?

**Descriptive Statistics**

	N	Minimum	Maximum	Mean		Std. Deviation	Skewness	
	Statistic	Statistic	Statistic	Statistic	Std. Error	Statistic	Statistic	Std. Error
Offering Graduate Assistantships	10	4.00	5.00	4.9000	.10000	.31623	-3.162	.687
Building informative websites that describe programs and opportunities	12	4.00	5.00	4.6667	.14213	.49237	-.812	.637
Combined Degree Programs	11	3.00	5.00	4.0000	.23355	.77460	.000	.661
Availability of Graduate Internships	11	1.00	5.00	3.9091	.34257	1.13618	-1.789	.661
Undergraduate Campus Visits	12	2.00	5.00	3.6667	.28427	.98473	-.559	.637
Open Houses	11	2.00	5.00	3.6364	.24393	.80904	-.538	.661
Publishing Graduate Student Salary/Stipend Rates, etc.	10	1.00	5.00	3.5000	.42817	1.35401	-.504	.687
Graduate Fairs	12	1.00	4.00	2.9167	.28758	.99620	-.470	.637
Valid N (listwise)	9							