

MASTER OF SCIENCE IN ANALYTICS

2023 FUTURE PLANS REPORT

The Office of Institutional Strategy and Analysis at NC State University is charged with measuring and reporting outcomes for degree earners each academic year. Known as the Graduate Future Plans Survey (GFPS) for masters and doctorate recipients, data are collected through three surveys implemented to cover graduates for fall, spring and summer. The results are published a year after the Institute's students graduate. The first survey was published for the academic year (AY) 2018-19.

The survey data presented here illustrate the Institute's outcomes relative to the other academic units within the University (that is, the ten colleges), and the university's overall average for master's graduates for the period of observation. The analysis focuses on the frequency of the top rating (i.e., %-Excellent, or %-Very Satisfied) on each metric, based on a 4-point scale (excellent, good, fair, or poor), or 5-point scale (very satisfied, satisfied, neutral, dissatisfied, or very dissatisfied).

FINDINGS:

- On each of the 11 Program Quality metrics, the Institute's "%-Excellent" score exceeded the University's average score by a wide margin; Furthermore, the Institute's score was the top score among the academic units on all of the 11 metrics. The Institute's %-Excellent score for "program effectiveness" was 91%, the top-ranking score and well above the University's score of 52%. The average score across the 11 metrics was 87% for the Institute, compared to 55% for the university as a whole.
- On each of the 4 Student Satisfaction metrics, the Institute's "%-Very Satisfied" score exceeded the University's average score by a wide margin; The Institute scored the highest in "overall satisfaction" with 91% of students indicating they were "very satisfied" with the MSA, compare a university average of 46%. The average score across the 4 metrics was 77% for the Institute, compared to 44% for the university as a whole. The Institute has earned the top score in program satisfaction in each of the past 6 years, since the inception of the survey.
- In terms of student outcomes, the Institute's graduates earned an average starting salary 26% higher than the University average for master's degree recipients. The median salary for Institute graduates is \$30,000 above the University median.
- The Institute's results are based on responses from 100% of its graduates, and are therefore a reliable indicator of sentiment for the Class of '23 free of non-response bias. The University overall response rate is 55%.

Survey Response Rates by Academic Unit

Academic Unit	Population	Respondents	Response Rate
Institute for Advanced Analytics	89	89	100%
College of Design	92	49	53%
College of Humanities and Social Sciences	291	157	54%
College of Natural Resources	117	61	52%
College of Engineering	1,286	713	55%
College of Textiles	71	37	52%
College of Agriculture and Life Sciences	285	137	48%
College of Education	337	183	54%
College of Science	203	117	58%
College of Management	301	148	49%
College of Veterinary Medicine	15	10	67%
University Total	3,087	1,701	55.1%

Notes:

- (1) The Institute's students have a high participation rate in the GFPS, ranging from 96-100% each year. In comparison, the response rate for the University as a whole ranges between 55-69% each year. Although the Institute is the University's smallest academic unit, it is among the largest producers of M.S. graduates when ranked along side the roughly one-hundred M.S. programs offered by the university.
- (2) For the purpose of this report, the University totals are inclusive of the Institute.
- (3) Veterinary Medicine is excluded from the analysis due to insufficient sample size.

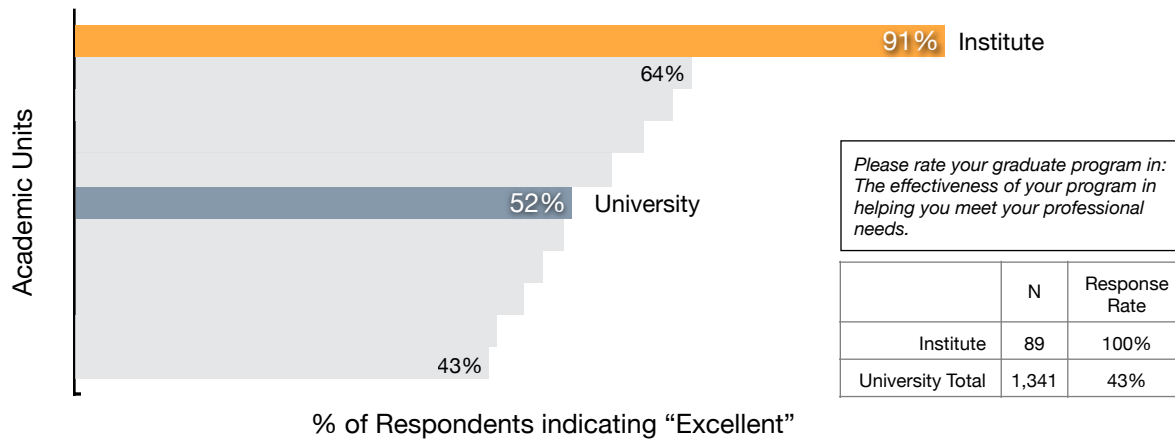
Program Quality Metrics — Summary of Results

Questionnaire Item (4-point scale: Excellent, Good, Fair, or Poor)	% “Excellent” Responses	
	Institute	University
1. Effectiveness in helping meet professional needs	91%	52%
2. Quality of the faculty	84%	56%
3. Professional development opportunities	93%	41%
4. Quality of classroom teaching	78%	53%
5. Cooperation and helpfulness of the program director	89%	56%
6. Cooperation and helpfulness of the program staff	73%	55%
7. Mentoring from faculty	84%	52%
8. Attention to ethics in your field	89%	59%
9. Space, facilities, and equipment	94%	56%
10. Respect shown to students with diverse social identities	88%	67%
11. Overall graduate experience	92%	55%
AVERAGE SCORE	87%	55%

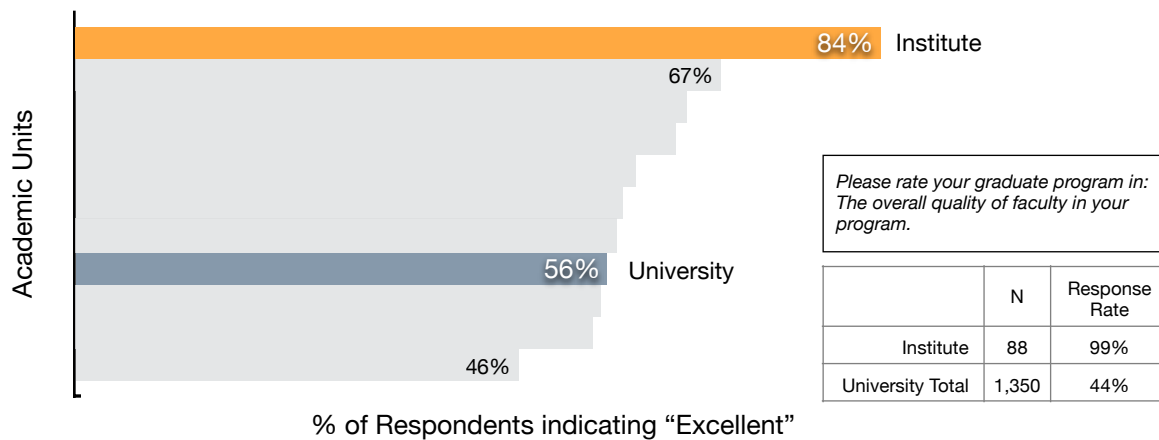
Student Satisfaction Metrics — Summary of Results

Questionnaire Item (5-point scale: Very Satisfied, Satisfied, Neutral, Dissatisfied, or Very Dissatisfied)	% “Very Satisfied” Responses	
	Institute	University
Satisfaction with graduate program	91%	46%
Satisfaction with career guidance	74%	26%
Preparation for future path	72%	55%
Satisfaction with job (among those who accepted a job offer)	69%	49%
AVERAGE SCORE	77%	44%

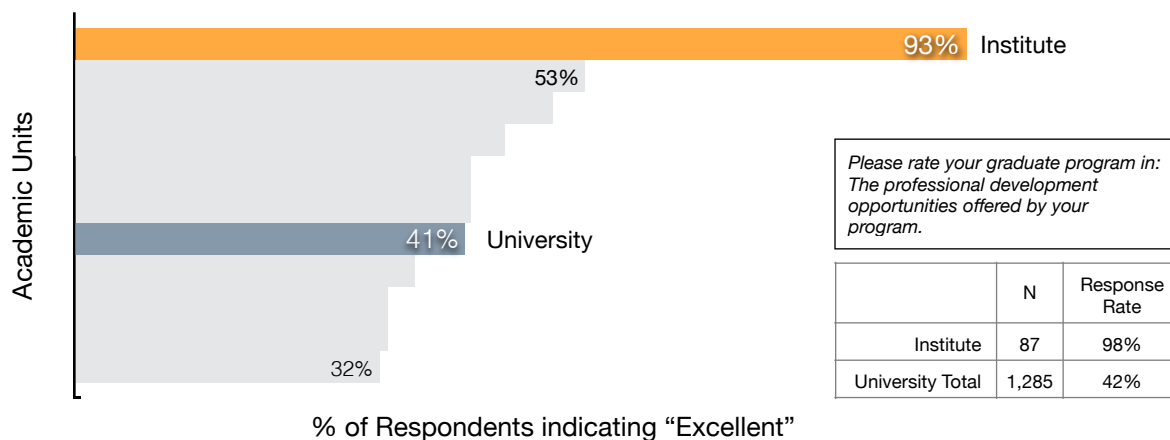
1. Effectiveness of Program



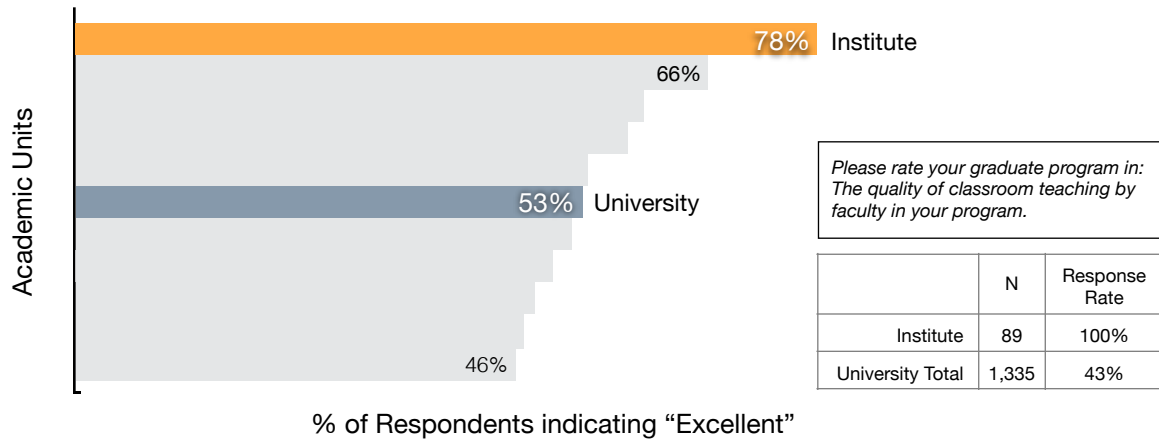
2. Quality of the Faculty



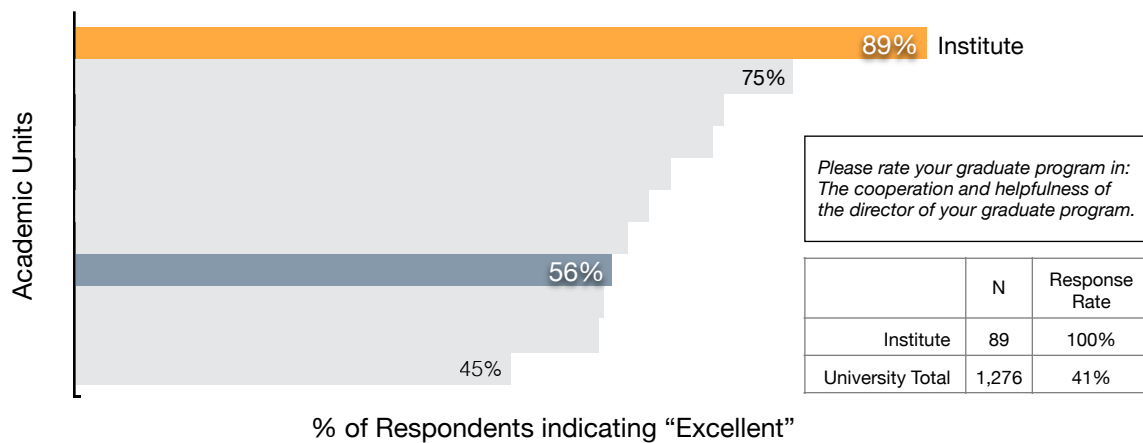
3. Professional Development Opportunities



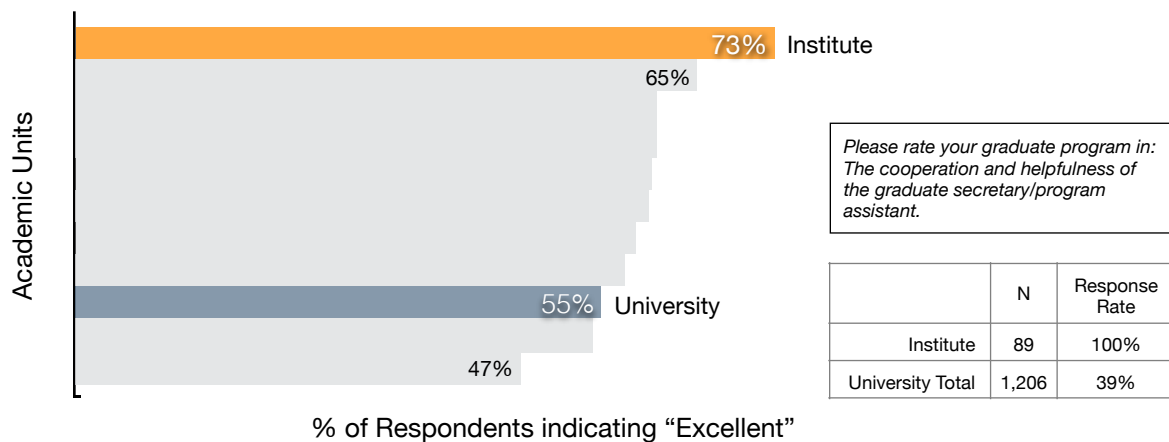
4. Quality of Classroom Teaching



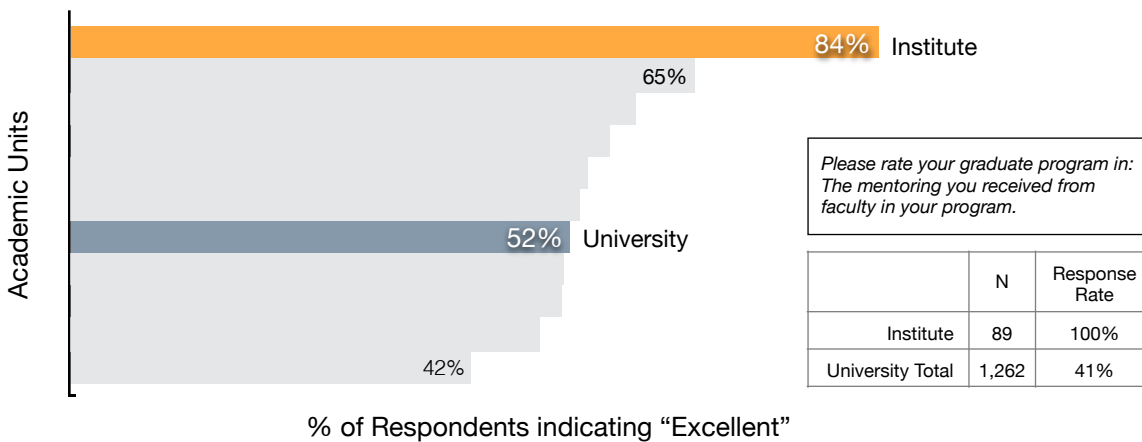
5. Cooperation and Helpfulness of the Director



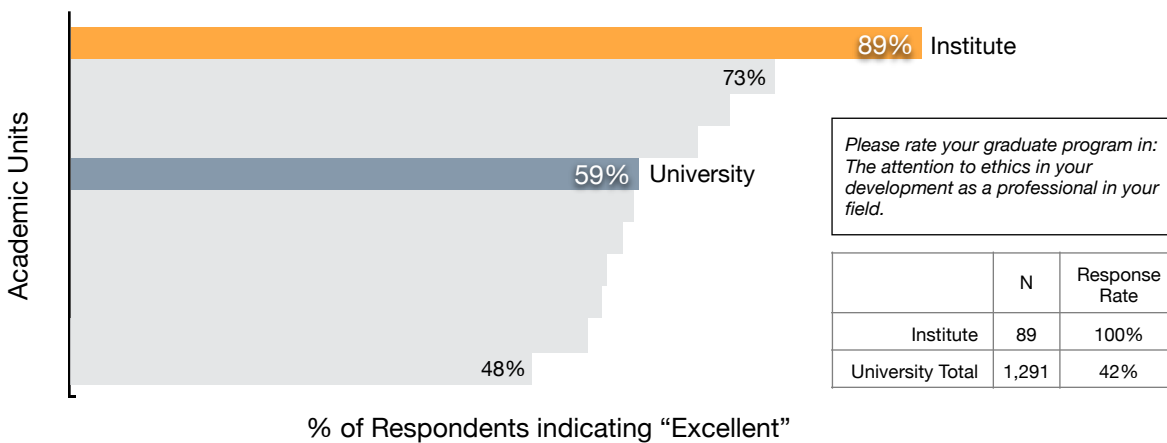
6. Cooperation and Helpfulness of the Program Staff



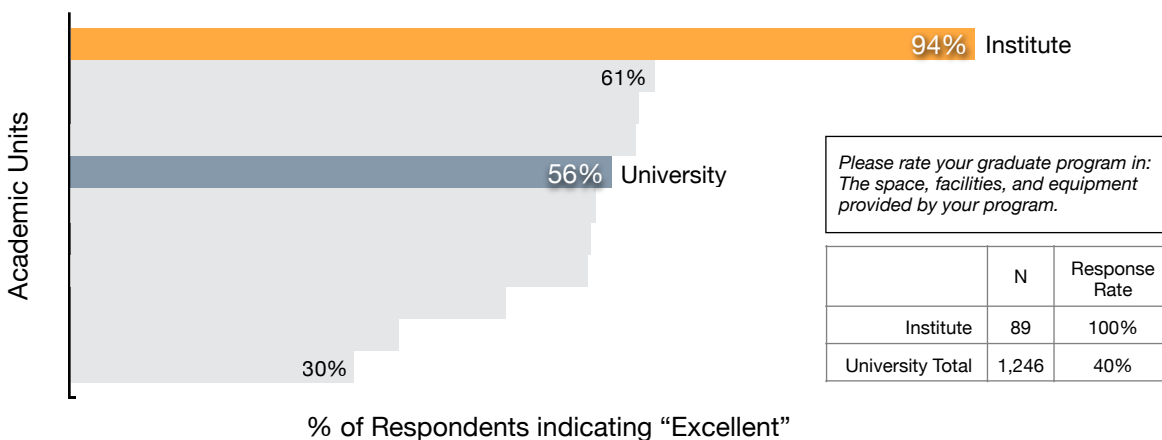
7. Mentoring from Faculty



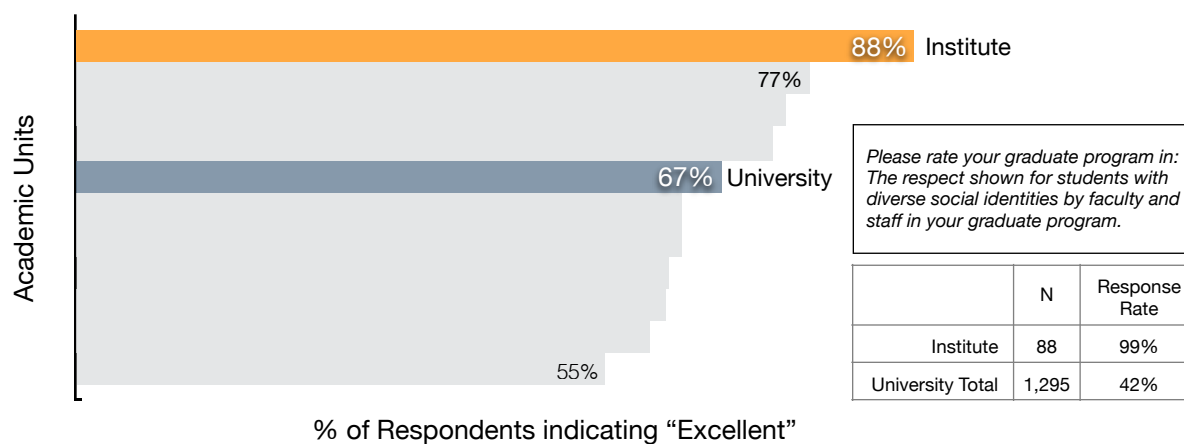
8. Attention to Ethics



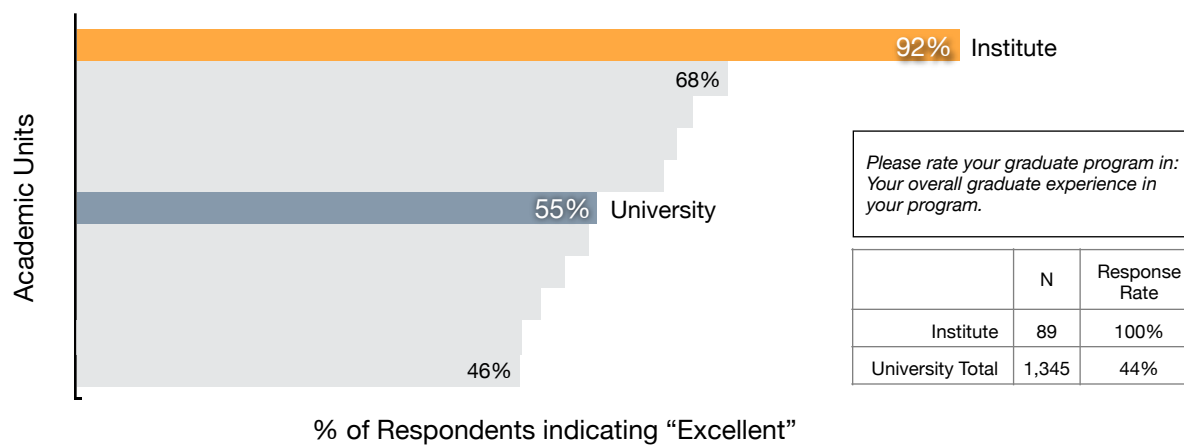
9. Space, Facilities, and Equipment



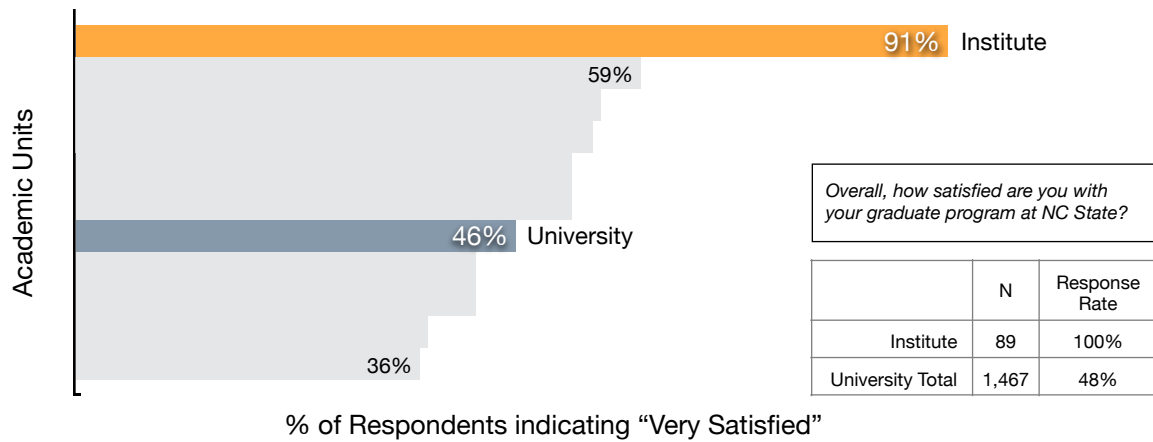
10. Respect for Students with Diverse Social Identities



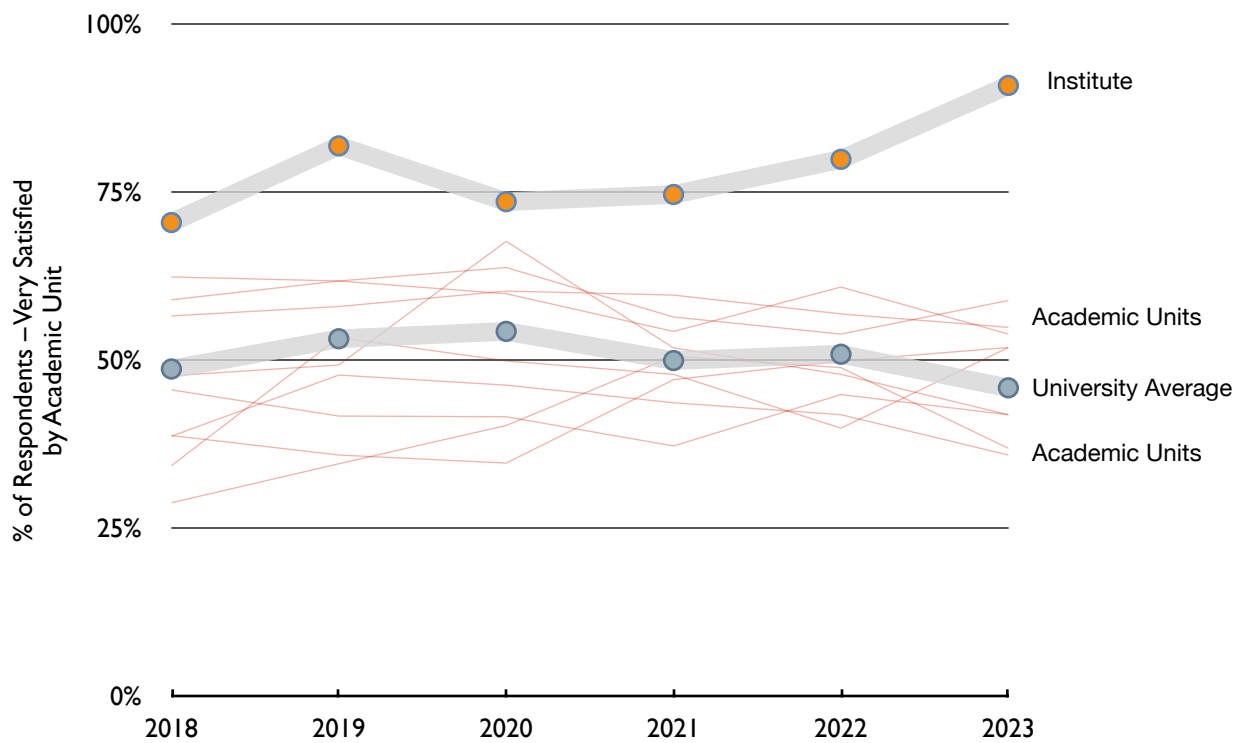
11. Overall Graduate Experience



Overall Satisfaction with Graduate Program

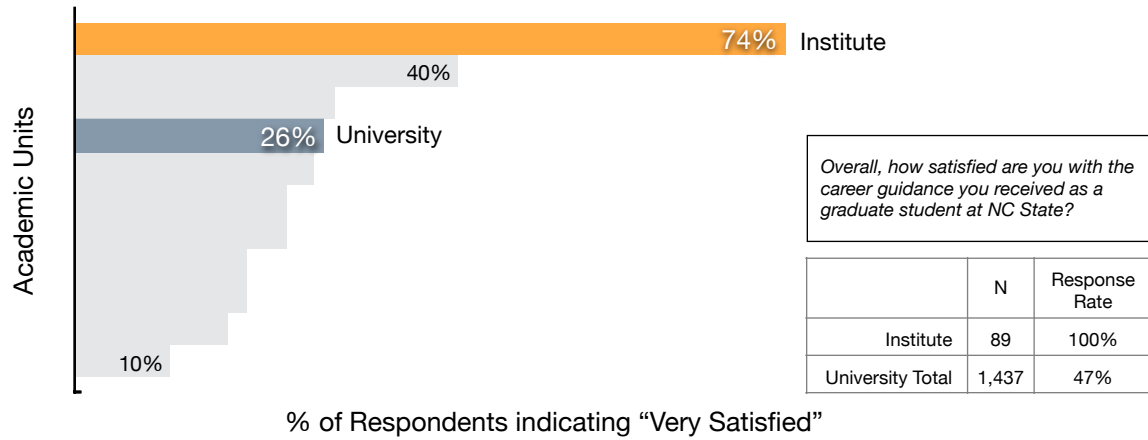


Trend in Satisfaction with Graduate Program

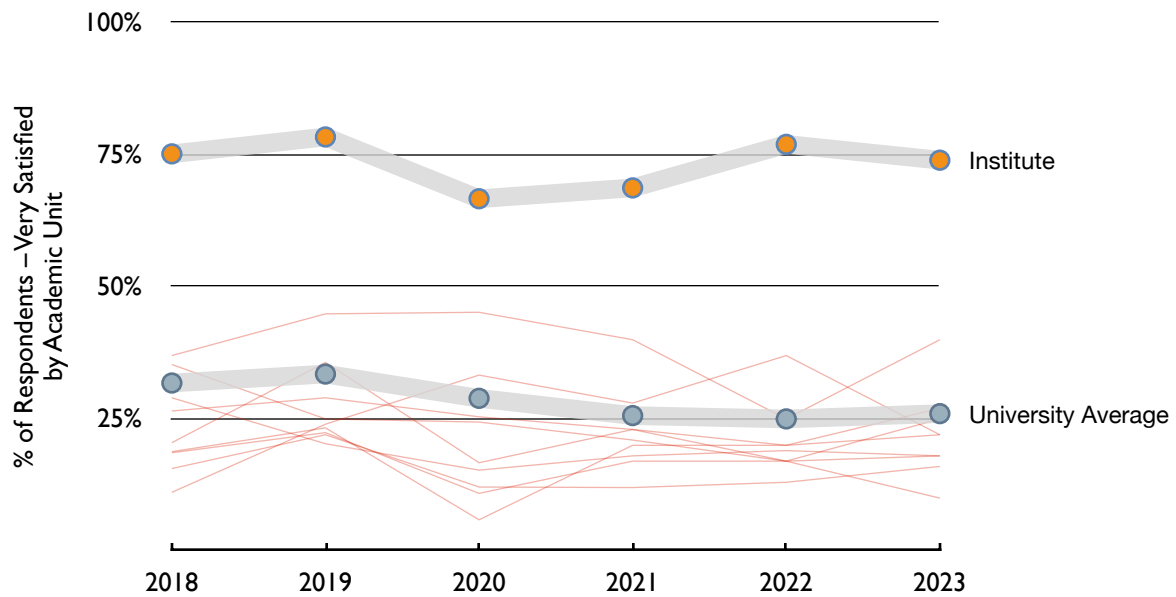


AY ending in	Response Rate					
	2018	2019	2020	2021	2022	2023
Institute	98%	100%	96%	94%	100%	100%
University	67%	64%	65%	55%	59%	48%

Satisfaction with Career Guidance

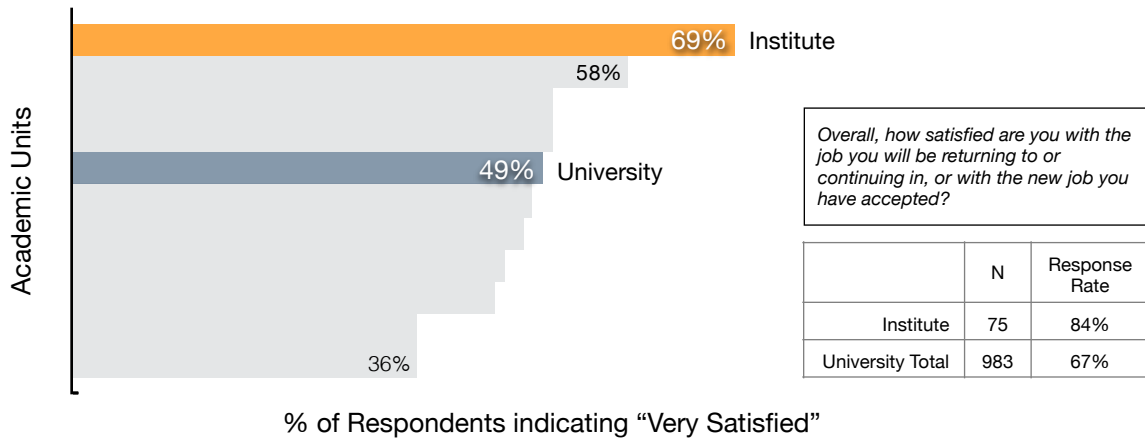


Trend in Satisfaction with Career Guidance

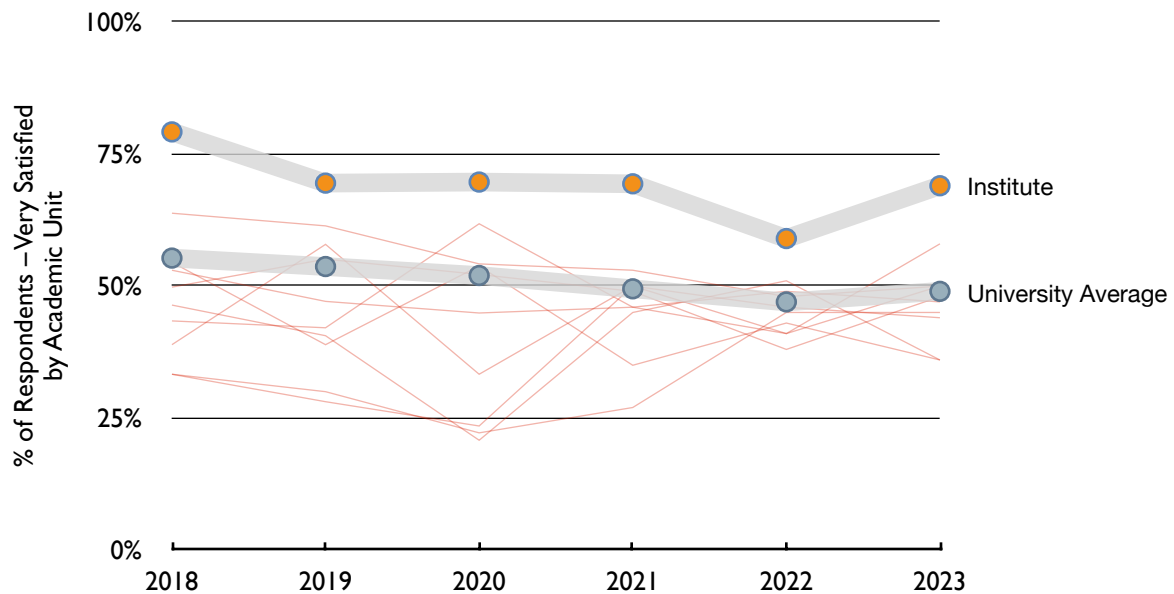


	Response Rate					
AY ending in	2018	2019	2020	2021	2022	2023
Institute	98%	100%	96%	94%	100%	100%
University	66%	64%	63%	63%	59%	47%

Satisfaction with Job (among those who accepted job offer)

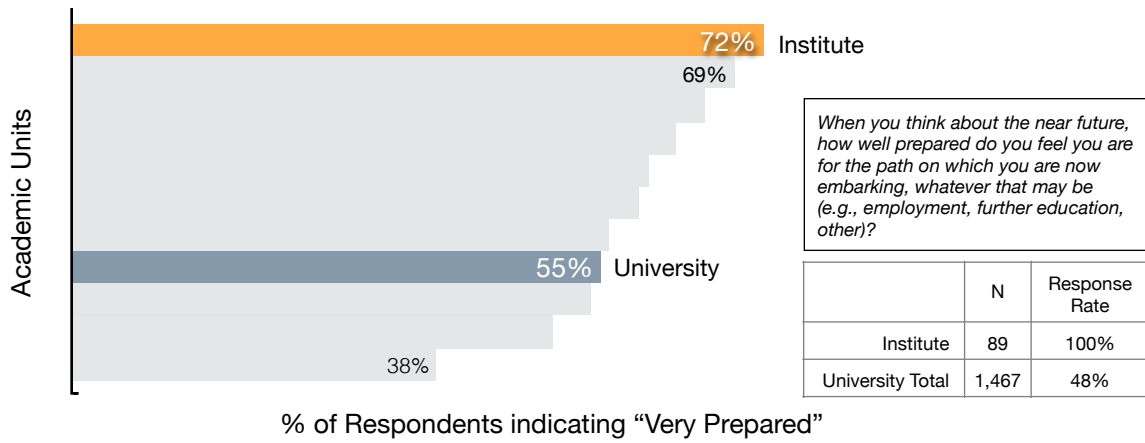


Trend in Satisfaction with Job

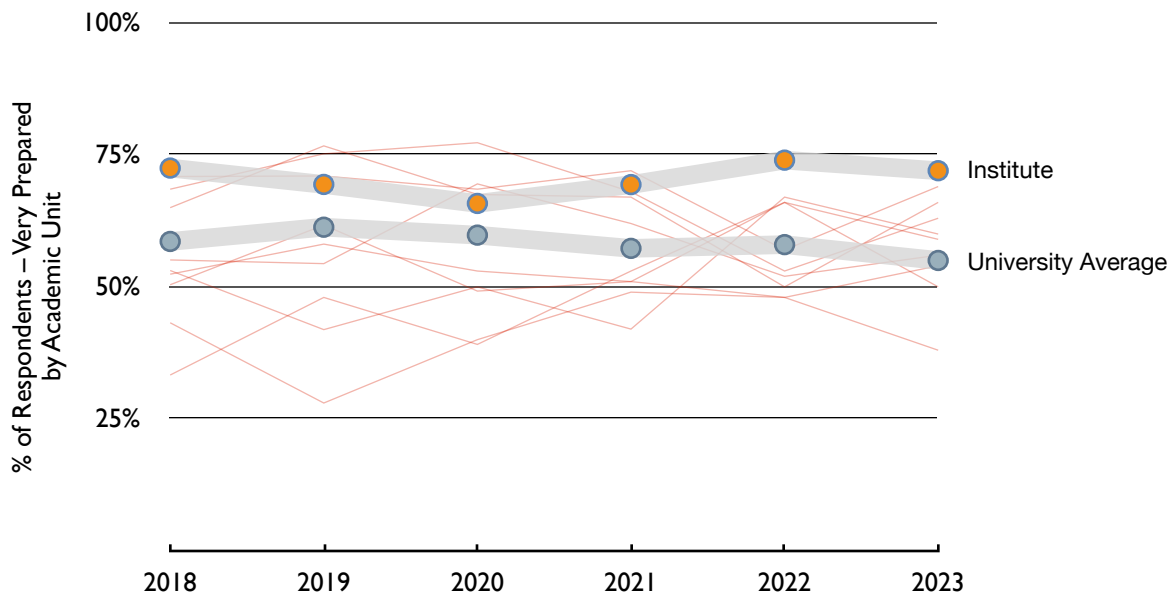


AY ending in	Response Rate					
	2018	2019	2020	2021	2022	2023
Institute	92%	95%	78%	94%	100%	84%
University	42%	40%	36%	44%	47%	67%

Preparation for Future Path



Trend in Preparation for Future Plans

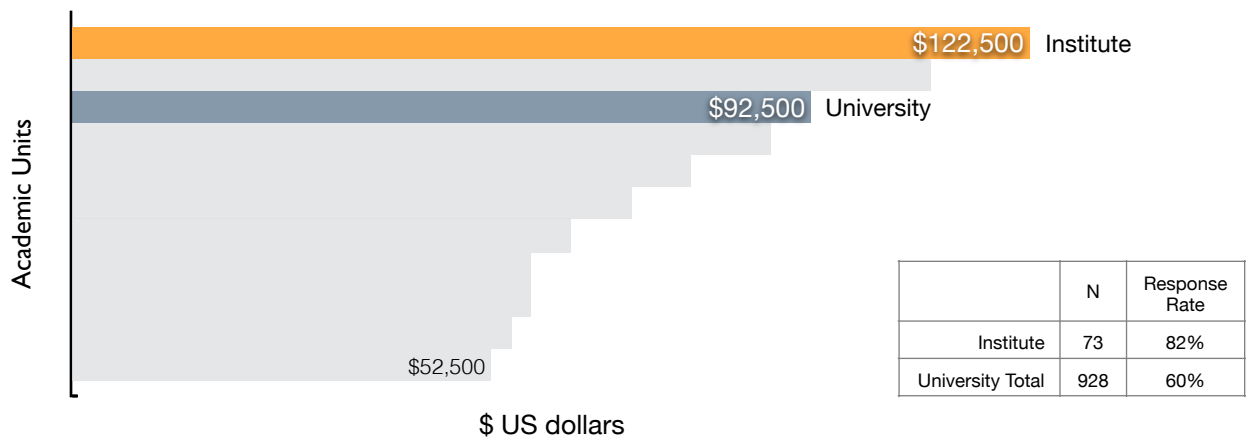


	Response Rate					
AY ending in	2018	2019	2020	2021	2022	2023
Institute	99%	100%	96%	94%	100%	100%
University	69%	66%	68%	55%	59%	48%

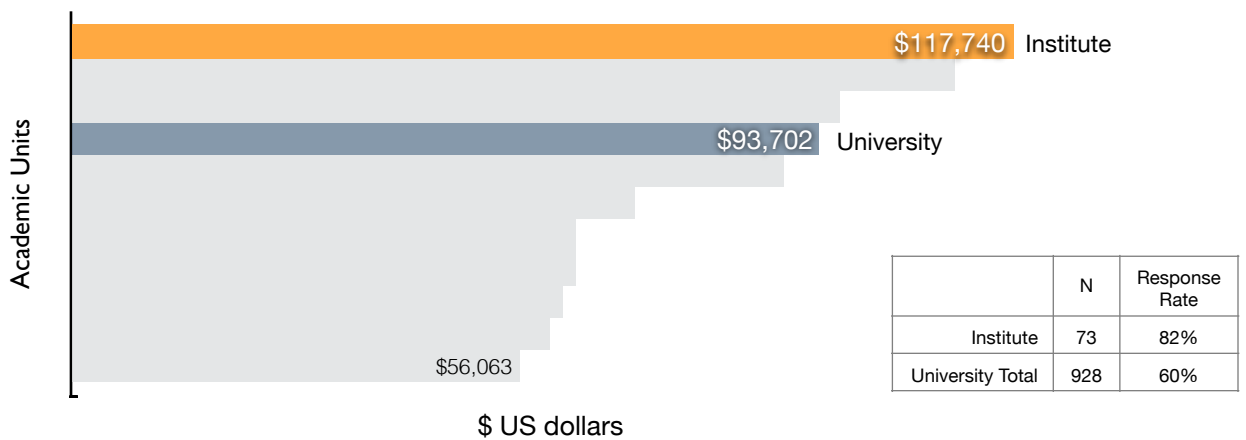
Student Outcomes Metrics — Summary of Results

Questionnaire Item		
	Institute	University
Median starting salary	\$122,500	\$92,500
Mean starting salary	\$117,740	\$93,702

Median Starting Salary



Average Starting Salary



About the Data

All data in this report come from the semi-annual Graduate Future Plans Survey (GFPS) and annual Survey of Recent Graduates (GSRG). The population of the GFPS/GSRG includes all NC State master's and doctoral degree earners who applied for graduation, were invited to take the GFPS/GSRG, and graduated from NC State in the Fall 2022, Spring 2023, Summer I 2023, or Summer II 2023 semesters. The surveys ask about their work and education plans following graduation, their job search, and the NC State resources they used and found helpful in planning for the future.

For more information see: Institutional Strategy and Analysis. (2024) AY2022-2023 Graduate Future Plans Surveys: College Comparisons. Posted April 2024.

This report is prepared and certified by:

Dr. Michael Rappa
Institute Director

NC STATE UNIVERSITY

<http://analytics.ncsu.edu>

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