

## MASTER OF SCIENCE IN ANALYTICS

# 2022 FUTURE PLANS REPORT

The Office of Institutional Strategy and Analysis at NC State University is charged with measuring and reporting student 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 10 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 ratings (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 12 Program Quality metrics, the Institute's “%-Excellent” score exceeded the University's average score; The Institute's score was the top-ranking score among the academic units on 8 of the 12 metrics. The Institute's %-Excellent score for “program effectiveness” was 88%, the top-ranking score and well above the University's score of 53%.
- On each of 4 Student Satisfaction metrics, the Institute's “%-Very Satisfied” score exceeded the University's average score;
- On each of 4 Student Satisfaction metrics, the Institute's “%-Very Satisfied” score exceeded the University's average score; The Institute ranked highest in the “overall satisfaction” with 80% of students indicating they were “very satisfied” with the MSA, compare a university average of 53%. The Institute earned the top score in program satisfaction in each of the past 5 years.
- In terms of student outcomes, the Institute had a 100% job placement rate, compared to 78% for the University overall, and its graduates earned an average starting salary 37% higher than the University average for master's degree recipients.
- 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 '22 free of non-response bias. The University overall response rate is 59%.

The Institute's students have a high survey participation rate, ranging from 96-100% each year. The response rate for the University ranges between 59-69%. Although the Institute is the University's smallest academic unit, it produces more master's degree graduates than 4 of the 10 colleges, and is among the top-5 largest producers of M.S. graduates when ranked along side the roughly one-hundred M.S. programs offered by the university.

### Survey Response Rates by Academic Unit

Academic Unit	Population	Respondents	Response Rate
Institute for Advanced Analytics	115	115	100%
College of Design	75	52	69%
College of Humanities and Social Sciences	278	174	63%
College of Natural Resources	107	64	60%
College of Engineering	570	336	59%
College of Textiles	56	32	57%
College of Agriculture and Life Sciences	261	149	57%
College of Education	355	199	56%
College of Science	158	80	51%
College of Management	346	173	50%
College of Veterinary Medicine	7	3	43%
University Total	2,328	1,377	59.1%

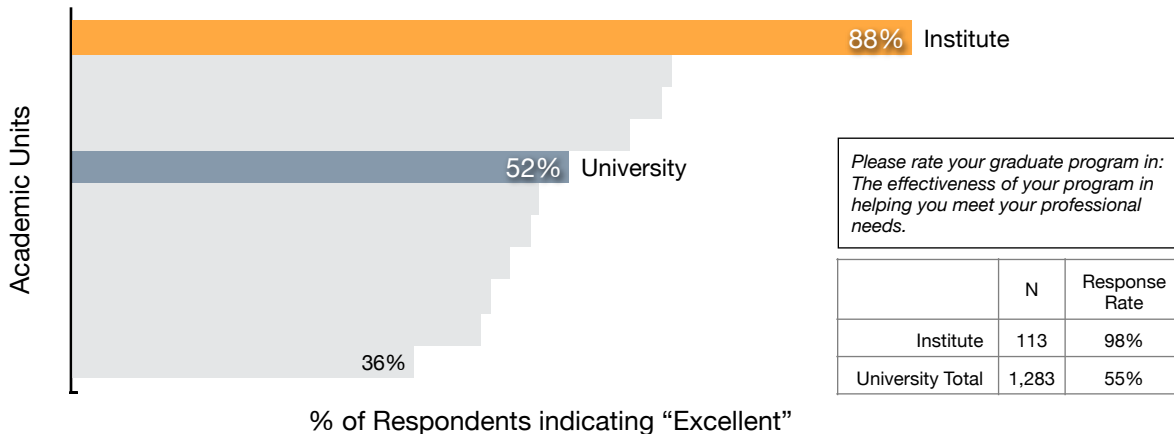
**Notes:**

- (1) The University response rate excluding the Institute is 57%. For the purpose of this report, the University totals are inclusive of the Institute.
- (2) Veterinary Medicine is excluded from the analysis due to insufficient sample size.

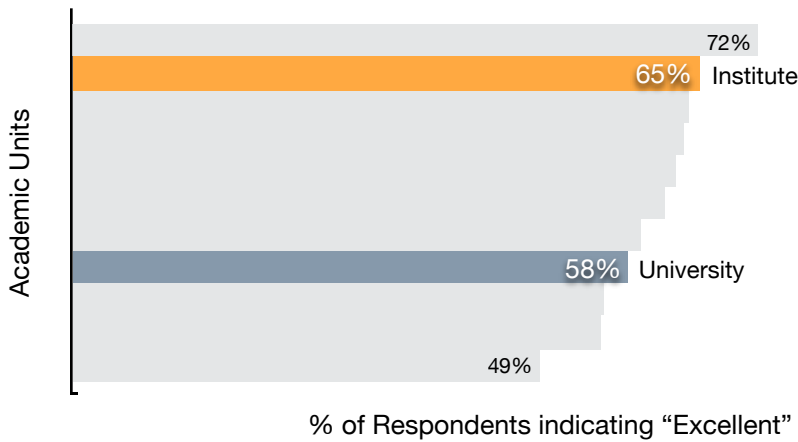
## Program Quality Metrics – Summary of Results

Questionnaire Item (4-point scale: Excellent, Good, Fair, or Poor)	% “Excellent” Responses	
	Institute	University
1. Effectiveness in helping meet professional needs	88%	53%
2. Quality of the faculty	65%	58%
3. Confidence in ability to do research in chosen field	50%	48%
4. Professional development opportunities	88%	43%
5. Quality of classroom teaching	58%	51%
6. Cooperation and helpfulness of the program director	73%	60%
7. Cooperation and helpfulness of the program staff	75%	59%
8. Mentoring from faculty	67%	53%
9. Attention to ethics in your field	73%	60%
10. Space, facilities, and equipment	93%	53%
11. Respect shown to students with diverse social identities	87%	67%
12. Overall graduate experience	82%	54%
AVERAGE SCORE	75%	55%

### 1. Effectiveness of Program



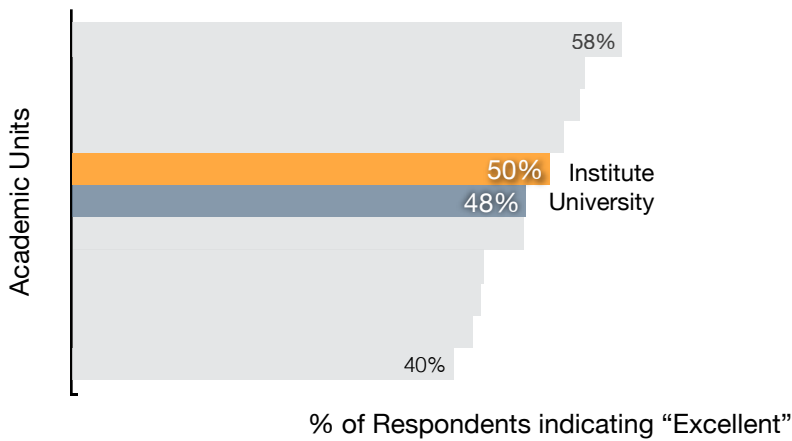
## 2. Quality of the Faculty



Please rate your graduate program in:  
The overall quality of faculty in your program.

	N	Response Rate
Institute	113	98%
University Total	1,297	56%

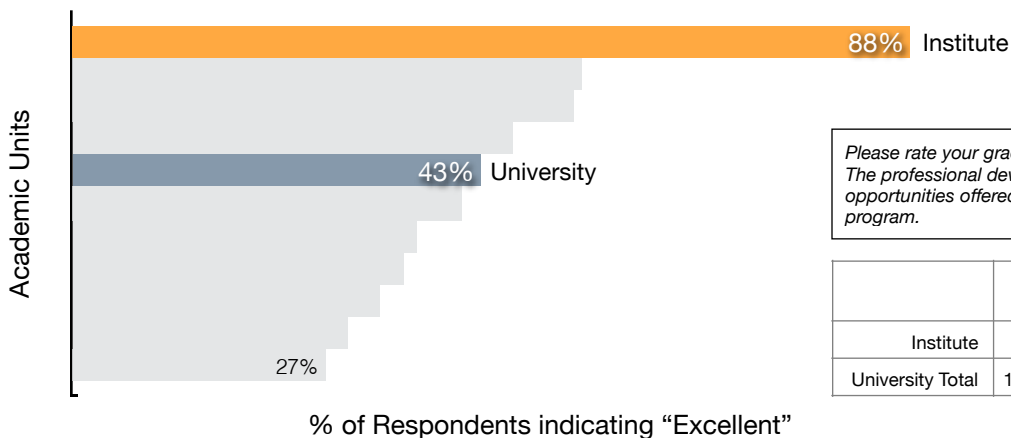
## 3. Confidence in Research Abilities



Please rate your graduate program in:  
Your confidence in your ability to do successful research in your chosen field.

	N	Response Rate
Institute	96	83%
University Total	1,225	53%

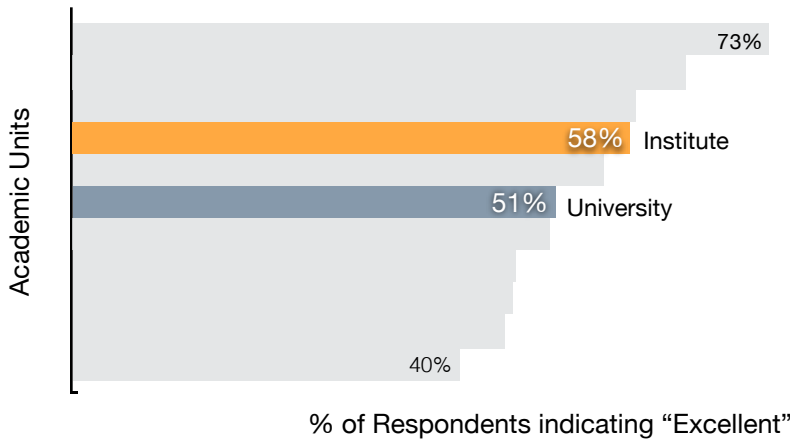
## 4. Professional Development Opportunities



Please rate your graduate program in:  
The professional development opportunities offered by your program.

	N	Response Rate
Institute	113	98%
University Total	1,212	52%

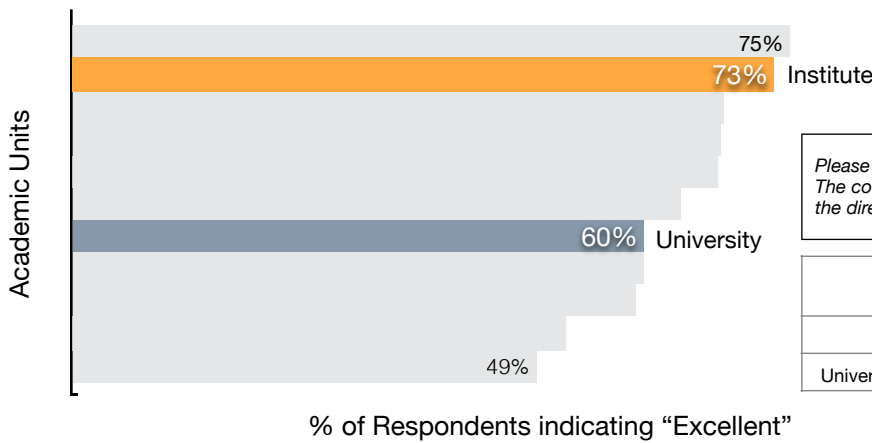
### 5. Quality of Classroom Teaching



Please rate your graduate program in:  
The quality of classroom teaching by faculty in your program.

	N	Response Rate
Institute	113	98%
University Total	1,270	55%

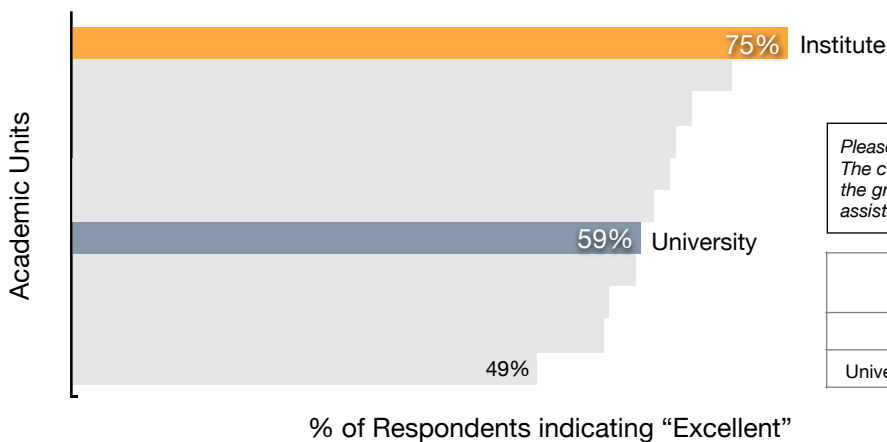
### 6. Cooperation and Helpfulness of the Director



Please rate your graduate program in:  
The cooperation and helpfulness of the director of your graduate program.

	N	Response Rate
Institute	113	98%
University Total	1,215	52%

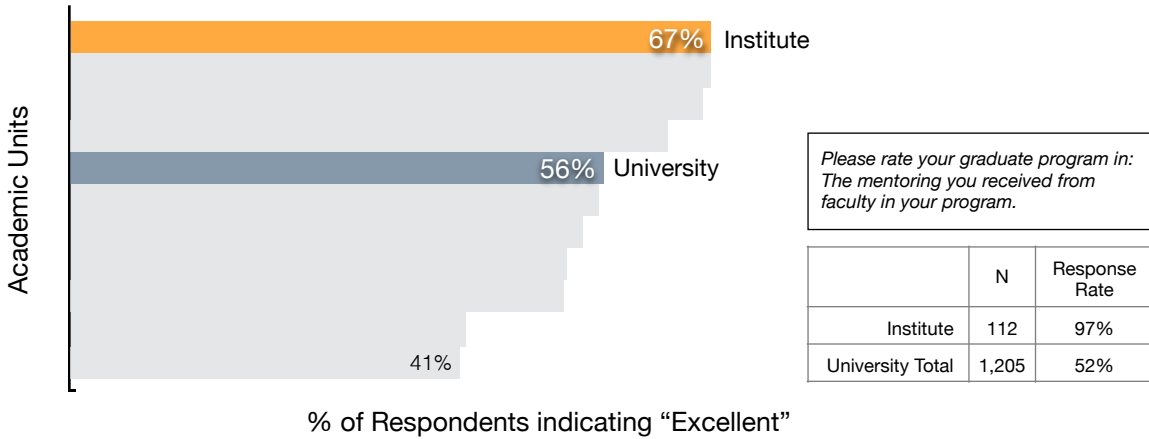
### 7. Cooperation and Helpfulness of the Program Staff



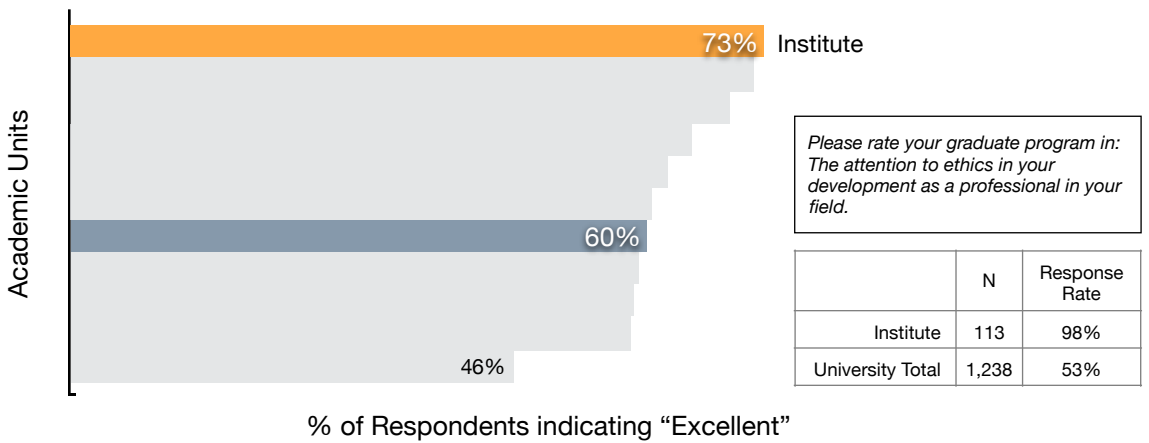
Please rate your graduate program in:  
The cooperation and helpfulness of the graduate secretary/program assistant.

	N	Response Rate
Institute	111	97%
University Total	1,114	48%

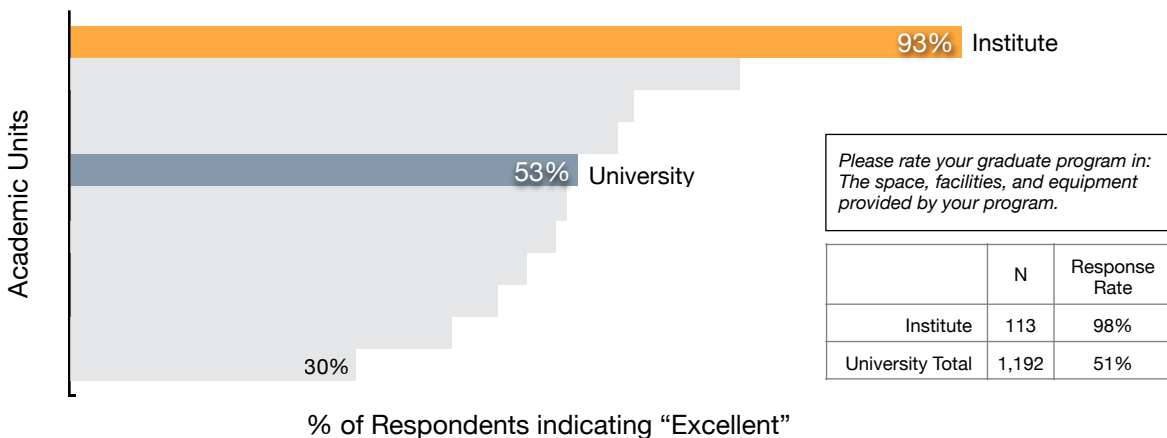
## 8. Mentoring from Faculty



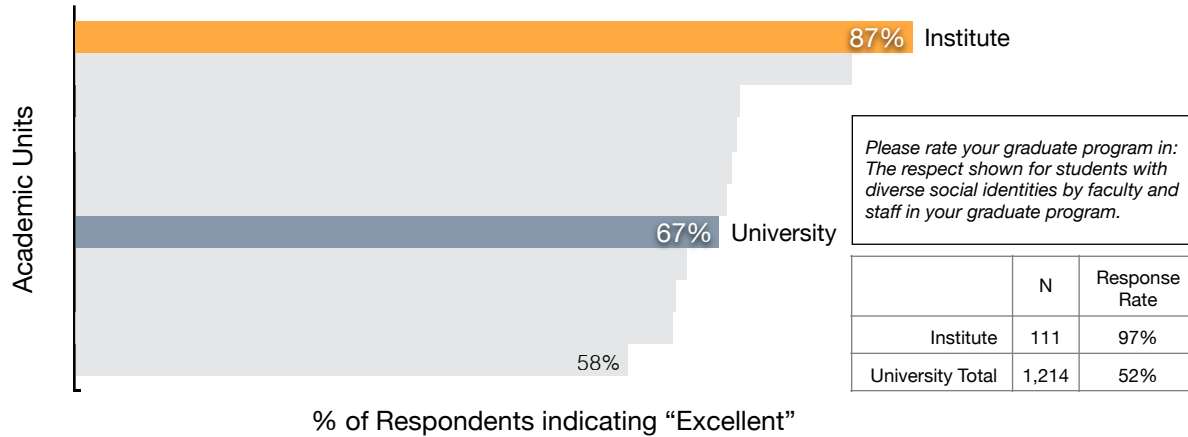
## 9. Attention to Ethics



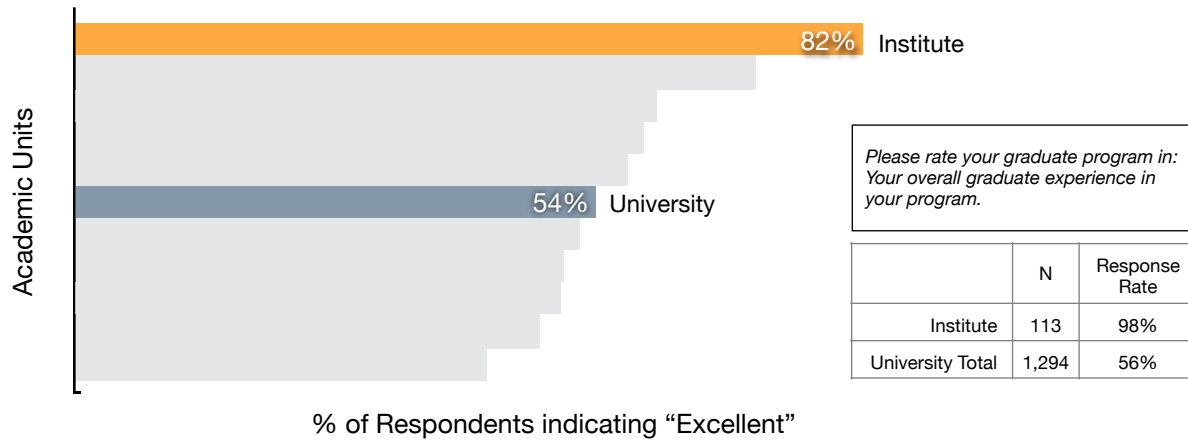
## 10. Space, Facilities, and Equipment



## 11. Respect for Students with Diverse Social Identities



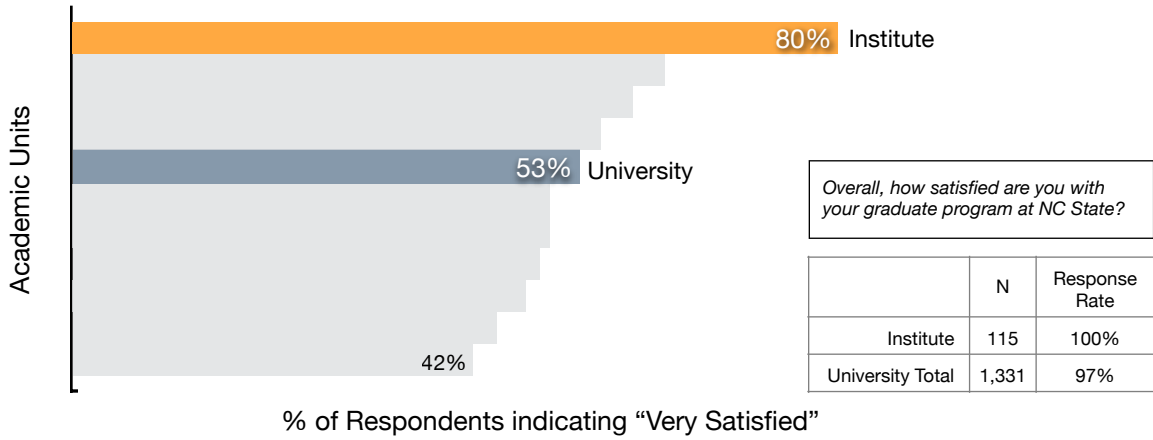
## 12. Overall Graduate Experience



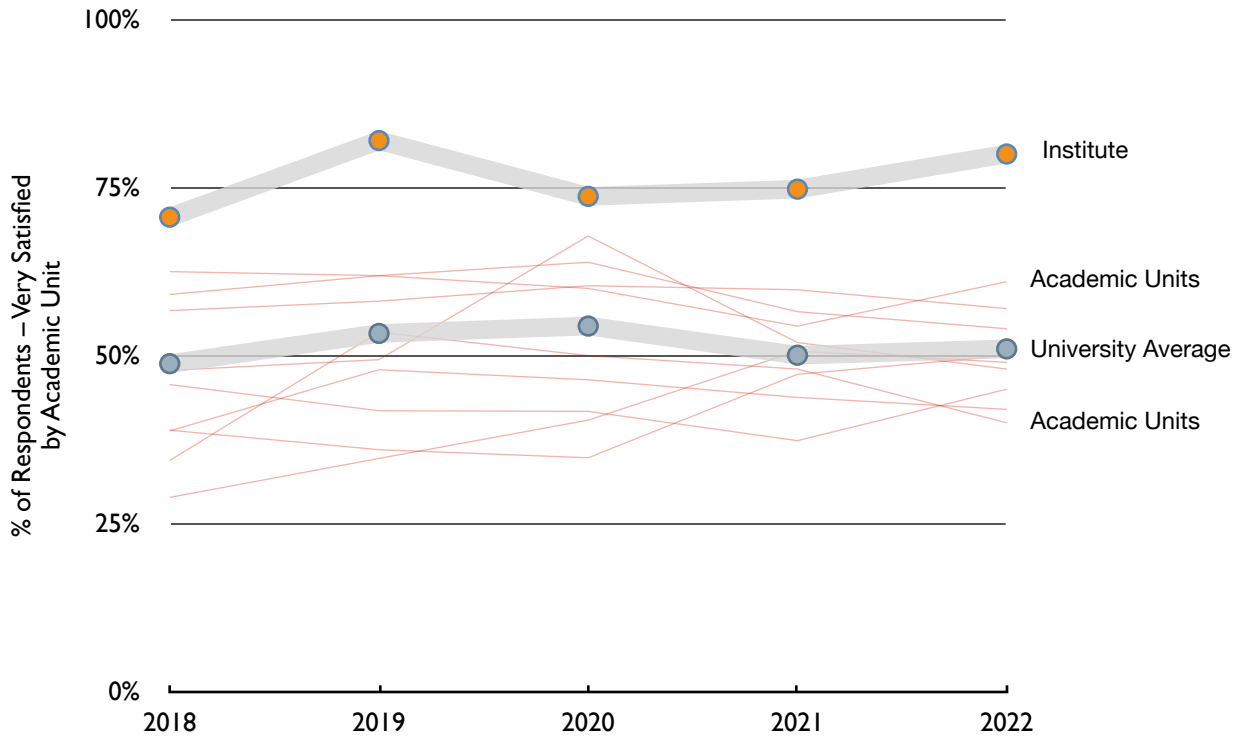
## Student Satisfaction Metrics – Summary of Results

Questionnaire Item (5-point scale: Very Satisfied, Satisfied, Neutral, Dissatisfied, or Very Dissatisfied)	% "Very Satisfied" Responses	
	Institute	University
Satisfaction with graduate program	80%	53%
Satisfaction with career guidance	77%	26%
Preparation for future plans	74%	60%
Satisfaction with job (among those who accepted a job offer)	59%	48%
AVERAGE SCORE	73%	47%

## Overall Satisfaction with Graduate Program



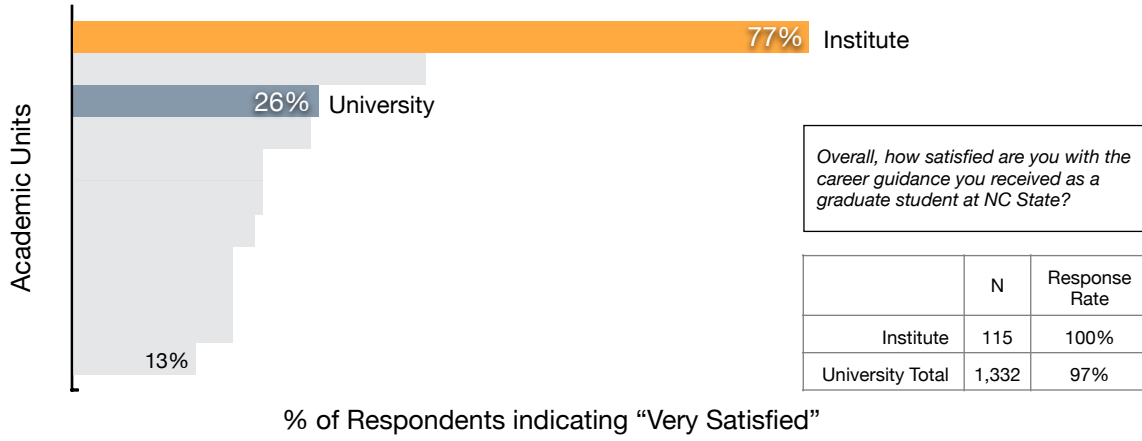
## Trend in Satisfaction with Graduate Program



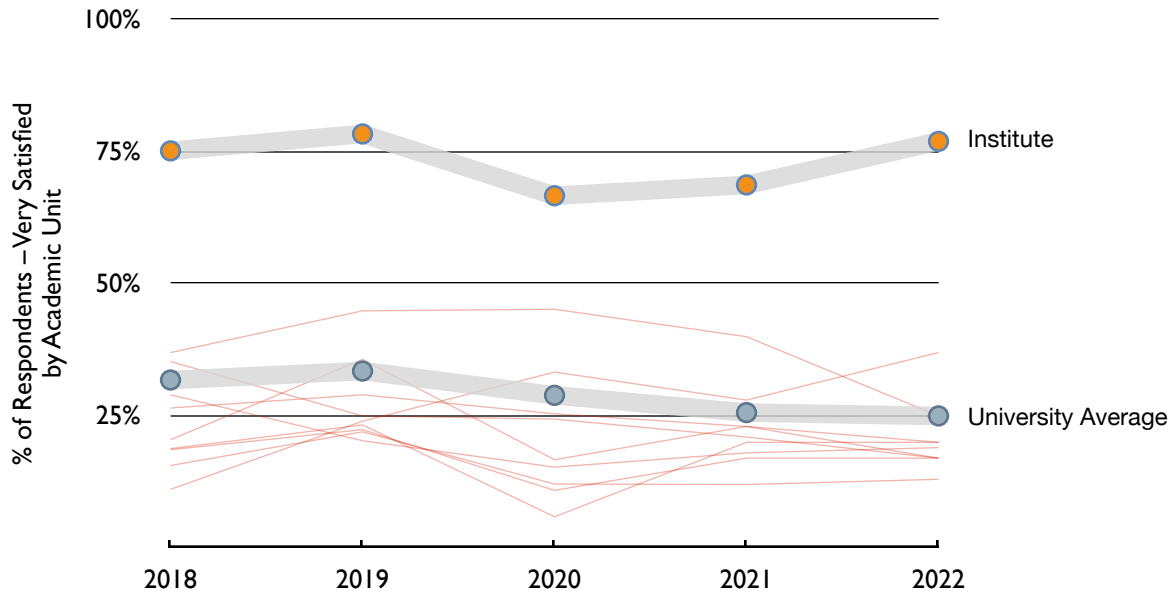
AY ending in	Response Rate				
	2018	2019	2020	2021	2022
Institute	98%	100%	96%	94%	100%
University Total	67%	64%	65%	55%	59%



## Satisfaction with Career Guidance

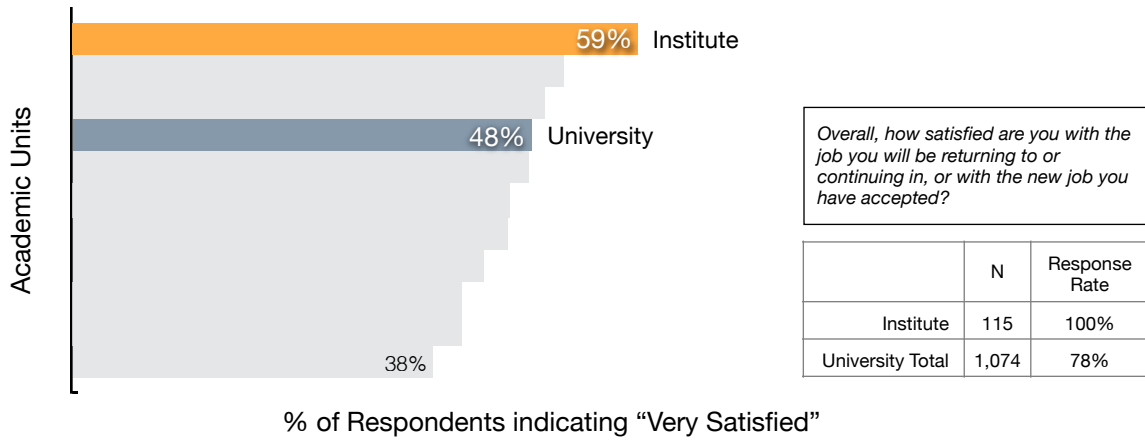


## Trend in Satisfaction with Career Guidance

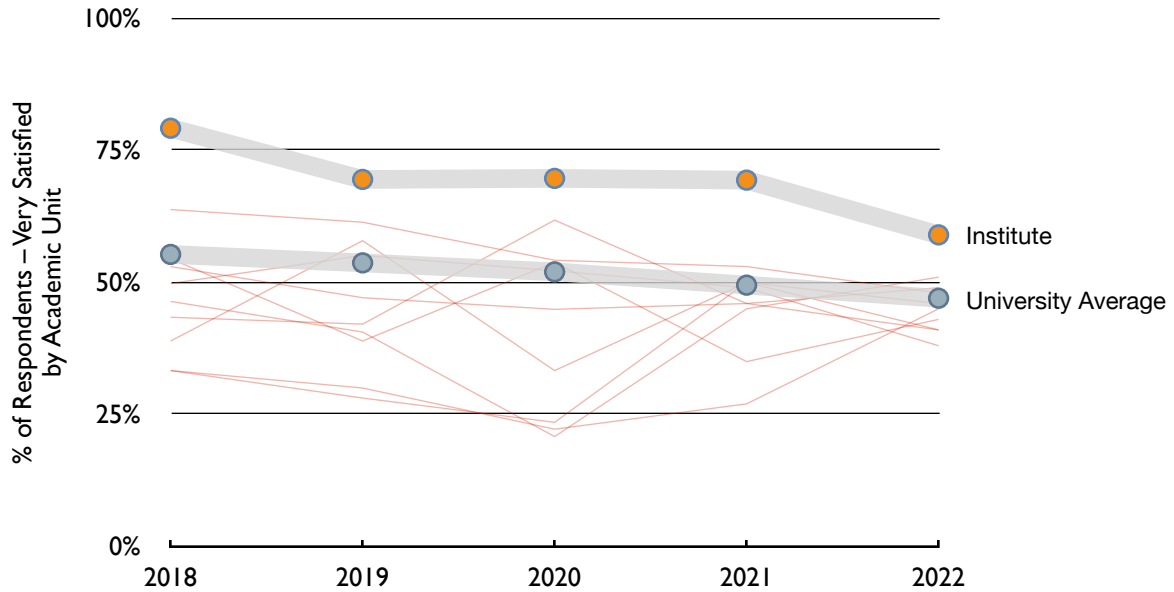


	Response Rate				
AY ending in	2018	2019	2020	2021	2022
Institute	98%	100%	96%	94%	100%
University Total	66%	64%	63%	63%	59%

## Satisfaction with Job (among those who accepted job offer)

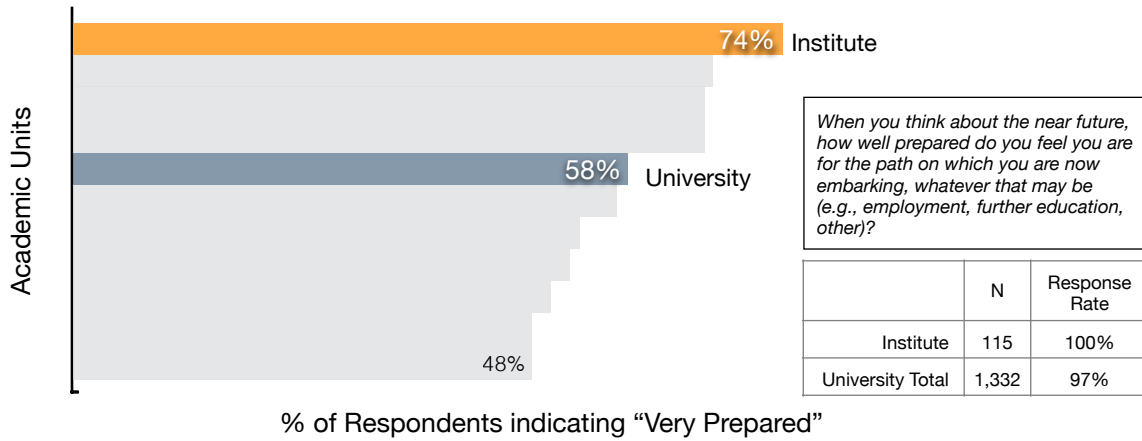


## Trend in Satisfaction with Job

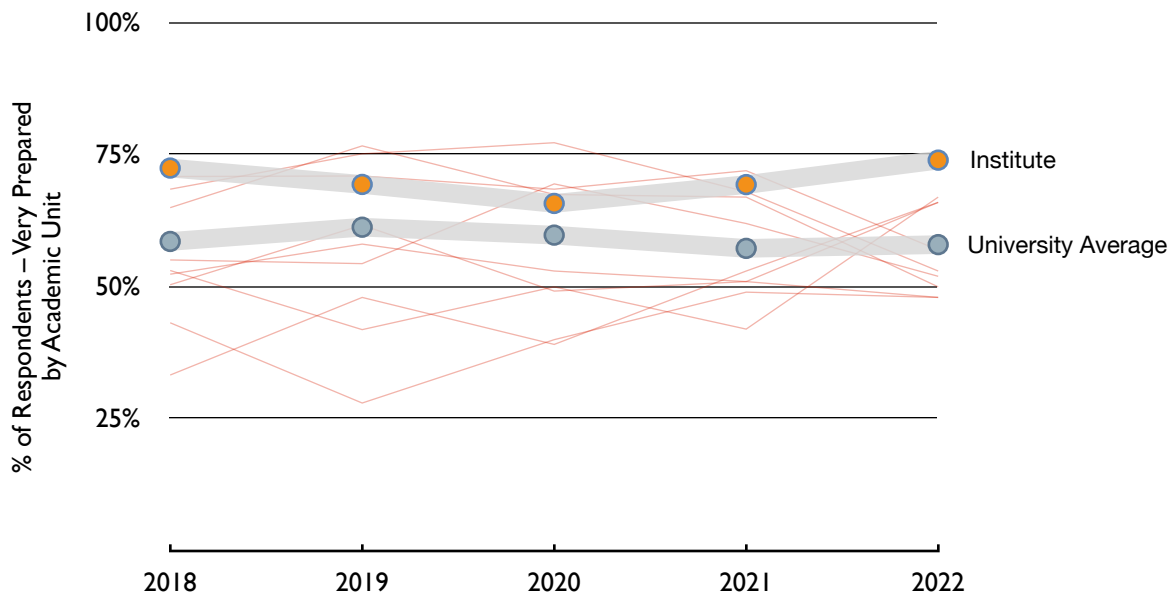


AY ending in	Response Rate				
	2018	2019	2020	2021	2022
Institute	92%	95%	78%	94%	100%
University Total	42%	40%	36%	44%	47%

## Preparation for Future Plans



## Trend in Preparation for Future Plans

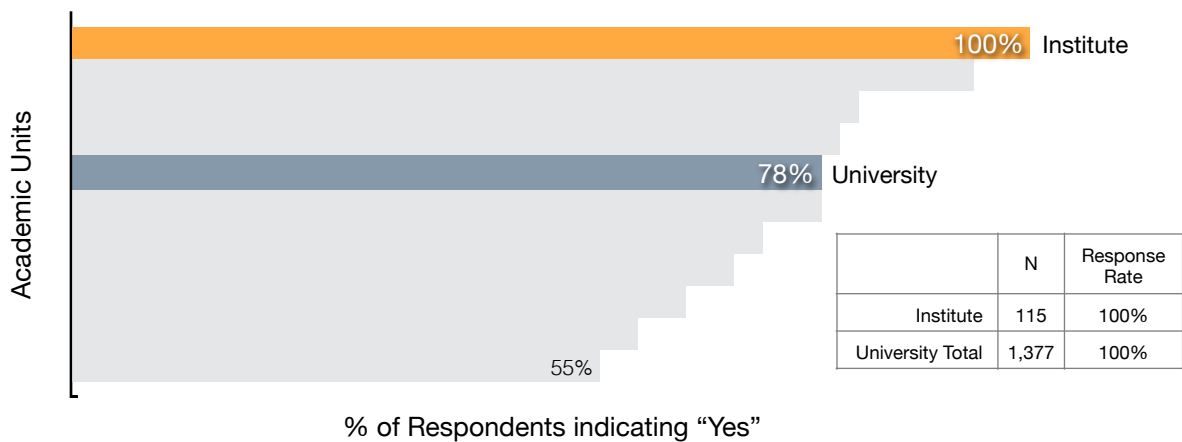


AY ending in	Response Rate				
	2018	2019	2020	2021	2022
Institute	99%	100%	96%	94%	100%
University Total	69%	66%	68%	55%	59%

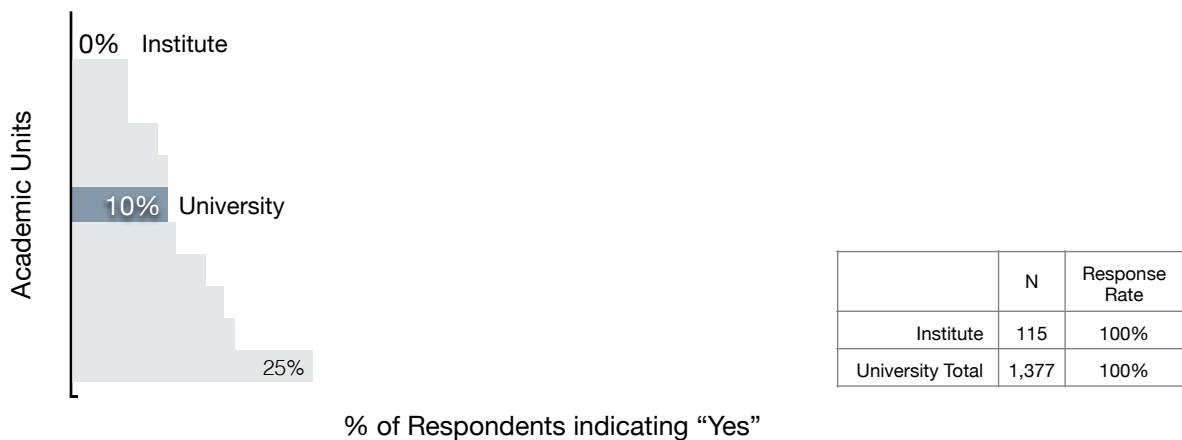
## Student Outcomes Metrics – Summary of Results

Questionnaire Item		
	Institute	University
Currently employed or accepted job offer	100%	78%
Currently seeking employment	0%	10%
Annual starting salary is \$100,000 or more	72%	28%
Median starting salary	\$117,500	\$77,500
Mean starting salary	\$110,580	\$80,995
Percent receiving signing bonus	62%	13%
Average debt owed for graduate degree	\$14,665	\$12,950

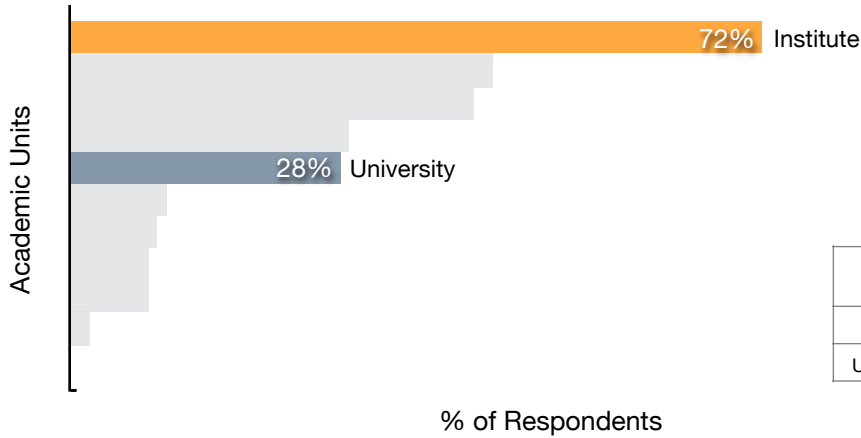
### Currently Employed or Accepted Job Offer



### Currently Seeking Employment

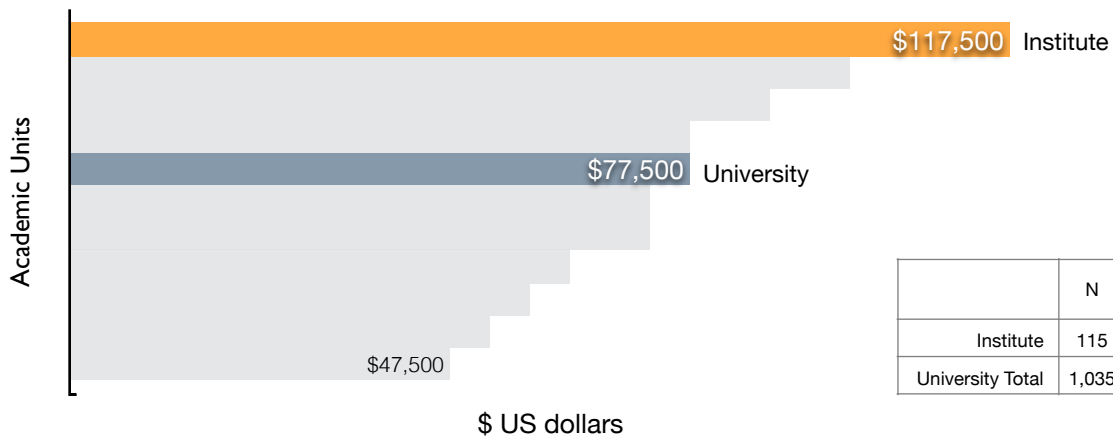


### Annual Starting Salary is \$100,000 or More



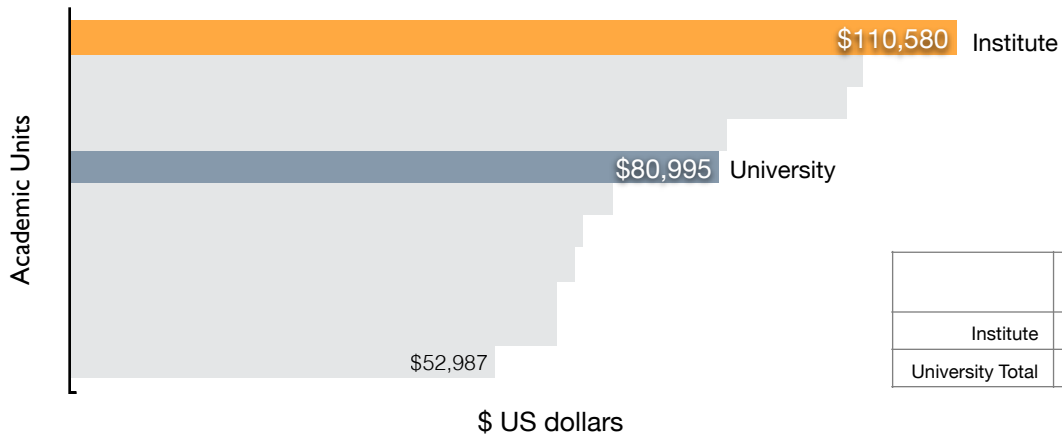
	N	Response Rate
Institute	114	99%
University Total	1,071	78%

### Median Starting Salary



	N	Response Rate
Institute	115	100%
University Total	1,035	75%

### Average Starting Salary



	N	Response Rate
Institute	115	100%
University Total	1,035	75%

### **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 2021, Spring 2022, Summer I 2022, or Summer II 2022 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. (2023) AY2021-2022 [Graduate Future Plans Surveys: College Comparisons](#). Posted April 2023.

This report is prepared and certified by:



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Dr. Michael Rappa  
Institute Director

**NC STATE UNIVERSITY**

<http://analytics.ncsu.edu>

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