NC STATE UNIVERSITY

December 2018 Graduate Future Plans Survey
All Respondents: Overview

This overview report presents findings from doctoral and master's students participating in the December 2018 Graduate Future Plans Survey (GFPS). Additional reports on the survey methods and analysis, college results, and departmental summaries, as well as a copy of the questionnaire, are available on the OIRP website.

The December 2018 Graduate Future Plans Survey population consists of the 176 doctoral students and 782 master's students who had applied to graduate and were conferred degrees as of commencement day, December 19. Of those 958 graduates, 109 doctoral degree recipients and 506 master's degree recipients submitted the Graduate Future Plans Survey for an overall response rate of 64.2 percent (61.9% of doctoral graduates and 64.7% of master's graduates).

Plans Following Graduation

Students graduating in December with either a doctoral or master's degree were asked about their primary plans for the coming year, with the option to select multiple responses. Four-in-five doctoral graduates indicated they would be employed, either in a position they had prior to graduation or in a new position at a new place of employment (78.9%). One-fifth of the doctoral degree recipients said at the time of the survey that they were actively seeking or planning to seek employment (19.3%), including 11 percent of the doctoral graduates who indicated they will continue to work at a place of employment they had obtained prior to or during their graduate program (10.8%). Seven percent of doctoral graduates said they had "other" plans (7.3%), with the large majority specifying that they will be continuing to work for a current employer.

Sixty percent of the master's degree recipients indicated they had secured employment for the coming year, either in a job they had during their graduate program or in a new position at a new place of employment (60.5%). Another one-fourth said they were actively seeking or planning on seeking a new position to start in the coming year (25.5%), including one percent of those who said they will be continuing to work at a place of employment they had obtained prior to or during their degree program (0.6%). Eleven percent of the master's degree recipients (11.3%) said they would be continuing their education in pursuit of another degree. The remaining ten percent of master's students indicated that they do not plan to be employed or pursue further education (1.0%) or that they had "other plans" (9.1%), with the large majority specifying that they will be continuing to work for a current employer.

Table 1: Primary Plans Following Graduation, by Degree*

	NCSU (N = 615)		Doctoral (N = 109)		Master's (N = 506)	
	N	%	N	%	N	%
Have signed contract or made commitment for employment	392	63.7%	86	78.9%	306	60.5%
Currently seeking employment or planning to do so in the next year	150	24.4%	21	19.3%	129	25.5%
Planning to pursue another degree program	57	9.3%	0	0.0%	57	11.3%
Do not plan to work or study	5	0.8%	0	0.0%	5	1.0%
Other plans	54	8.8%	8	7.3%	46	9.1%
Total	615	100.0%	109	100.0%	506	100.0%

*Respondents could indicate more than one type of activity.

Post-Graduation Employment

This section of the report provides detailed information specifically on those graduate students who indicated at the time they completed the survey that they had obtained a full-time position, followed by information provided by those who said they were actively seeking employment. Finally, this section contains a brief look at those few respondents who said they had not yet begun to search for new employment, but planned to do so in the coming year.

Full-Time Employment

All doctoral graduates and 98 percent of master's graduates (98.2%) who indicated they had definite plans for employment after graduation said they will be working full-time.

Table 2: Full- or Part-Time Employment, by Degree (among those securing any type of employment)

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Full-time	382	98.2%	86	100.0%	296	97.7%
Part-time	7	1.8%	.	0.0%	7	2.3%
Total	389	100.0%	86	100.0%	303	100.0%

Respondents who will be working full-time were asked whether they will be starting a new position at a new place of employment or if they will be continuing to work for their current employer. Over half of those receiving a doctoral degree and obtaining a full-time position said they have a signed contract or made a definite commitment to a new position with a new employer that will begin after graduation (56.5%), while 31 percent indicated they will be continuing to work at a place of employment they obtained during their graduate program (30.6%). Thirteen percent of doctoral graduates said they are returning to or continuing in a position they had prior to pursuing their degree (12.9%).

Forty-six percent of the master's students who will be working full-time said they had a signed contract or made a definite commitment to a new job to begin after graduation (45.9%). One-third will be continuing in a position they obtained while pursuing their master's degree (32.7%) and one-fifth said they will be returning to or continuing in a position they had prior to enrolling in their graduate program (21.4%).

Table 3: History with Employer: New or Continuing Employment, by Degree (full-time employees only)

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Starting a new position with a new employer to begin after graduation	183	48.3%	48	56.5%	135	45.9%
Continuing at a place of employment obtained while pursuing current degree	122	32.2%	26	30.6%	96	32.7%
Returning to or continuing at a place of employment had before pursuing current degree	74	19.5%	11	12.9%	63	21.4%
Total	379	100.0%	85	100.0%	294	100.0%

The Job Search

Graduate students with full-time employment who said they will be employed in a position they accepted at the time of graduation (48.3%) or who said they will be continuing to work at a place of employment they had obtained during their graduate program (32.2%) were asked about their job search experience. Graduates who said that their employment plans will involve returning to or

continuing to work at a place of employment for which they had begun working *prior* to the start of their graduate program are excluded from this analysis.

Sixty-two percent of all doctoral and master's graduates with full-time employment that either began during their graduate program or will begin after graduation reported starting their job search six or more months prior to graduation (62.2%). Eight percent started looking for a job less than three months before graduation (8.1%).

Table 4: When Started Looking for a Job, by Degree (among full-time employees working at a place of employment obtained at time of graduation or during graduate program)

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
12 or more months before graduation	64	22.6%	14	19.7%	50	23.6%
9-11 months before graduation	39	13.8%	16	22.5%	23	10.8%
6-8 months before graduation	73	25.8%	14	19.7%	59	27.8%
3-5 months before graduation	84	29.7%	20	28.2%	64	30.2%
1-2 months before graduation	14	4.9%	3	4.2%	11	5.2%
Less than one month before graduation	9	3.2%	4	5.6%	5	2.4%
Total	283	100.0%	71	100.0%	212	100.0%

Over half of graduates obtaining full-time employment that began during their graduate program or will begin after graduation indicated they had gone on interviews for three or more positions (55.7%), with 26 percent having gone on interviews for five or more positions before accepting the offer for the positon in which they will be working. Over one-third of all those said they had been on interviews for one (18.7%) or two (19.0%) different positions during their most recent job search. Seven percent of graduates with full-time employment said they did not go on any interviews during their most recent job search (6.6%).

Those graduating with a master's degree reported going on interviews for more positions than those graduating with a doctoral degree. While 29 percent of master's graduates reported going on interviews for five or more positions (29.2%), just 16 percent of doctoral graduates said the same (16.4%).

About half of all graduates with full-time employment that began during their graduate program or will begin after graduation said that the position they accepted had been their only job offer (52.1%). About 40 percent said that they had received one (30.6%) or two (9.5%) job offers in addition to the one they accepted, with the remaining eight percent reporting they had received three or more additional job offers (7.7%). Master's students were more likely than doctoral students to indicate they had received more than one job offer from which to choose (52.6% vs. 33.8%).

Table 5: Number of Positions Interviewed For, by Degree (among full-time employees working at a place of employment obtained at time of graduation or during graduate program)

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
None	19	6.6%	8	11.0%	11	5.1%
One	54	18.7%	23	31.5%	31	14.4%
Two	55	19.0%	13	17.8%	42	19.4%
Three	48	16.6%	6	8.2%	42	19.4%
Four	38	13.1%	11	15.1%	27	12.5%
Five or six	48	16.6%	7	9.6%	41	19.0%
Seven or eight	11	3.8%	3	4.1%	8	3.7%
Nine or ten	4	1.4%	.	0.0%	4	1.9%
More than ten	12	4.2%	2	2.7%	10	4.6%
Total	289	100.0%	73	100.0%	216	100.0%

Table 6: Number of Job Offers, by Degree (among full-time employees working at a place of employment obtained at time of graduation or during graduate program)

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Only job offer	148	52.1%	47	66.2%	101	47.4%
One additional job offer	87	30.6%	15	21.1%	72	33.8%
Two additional job offers	27	9.5%	4	5.6%	23	10.8%
Three or more additional job offers	22	7.7%	5	7.0%	17	8.0%
Total	284	100.0%	71	100.0%	213	100.0%

Thirty-nine percent of doctoral graduates who will be continuing to work full-time at a place of employment they obtained during their graduate program or who will be starting their position after graduation said they received the offer for the position in which they will be working six or more months prior to graduation. About one-fourth obtained the offer three to five months before graduation (27.1%), with an additional 34 percent receiving the offer within three months of graduation (34.3%).

One-fifth of master's graduates with full-time employment reported receiving the job offer for the position in which they will be working six or more months prior to graduation (20.4%). Over one-third said they received the offer they ultimately accepted three to five months before graduation (35.5%), with an additional 28 percent receiving the offer one to two months prior to graduation (28.4%). The remaining 16 percent of master's graduates indicated receiving the offer for the position in which they will be working within one month of graduation (15.6%).

Table 7: When Received Accepted Job Offer, by Degree (among full-time employees working at a place of employment obtained at time of graduation or during graduate program)

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
12 or more months before graduation	18	6.4%	5	7.1%	13	6.2%
9-11 months before graduation	16	5.7%	9	12.9%	7	3.3%
6-8 months before graduation	36	12.8%	13	18.6%	23	10.9%
3-5 months before graduation	94	33.5%	19	27.1%	75	35.5%
1-2 months before graduation	74	26.3%	14	20.0%	60	28.4%
Less than one month before graduation	43	15.3%	10	14.3%	33	15.6%
Total	281	100.0%	70	100.0%	211	100.0%

Respondents having obtained full-time employment that either began during their graduate program or will begin after graduation were asked to indicate what resources had proven to be helpful in their job search.

Analysis reveals a number of differences between doctoral and master's graduates in the resources they found helpful. Forty percent of doctoral graduates with full-time employment indicated that a *NC State faculty member* had been helpful in their job search (40.5%) and over one-third said that *personal/professional connection(s) in the company* (35.1%) had been helpful. In contrast, master's graduates were most likely to identify *LinkedIn* as a helpful resource in their job search (47.3%), followed closely by *internships/externships* (42.8%). Note that some resources may have in fact been helpful for those who used them, but have a smaller frequency overall because fewer respondents used that particular resource (e.g., student teaching experience).

Table 8: Helpful Resources, by Degree (among full-time employees working at a place of employment obtained at time of graduation or during graduate program)*

	NCSU (N = 296)		Doctoral (N = 74)		Master's (N = 222)	
	N	%	N	%	N	%
LinkedIn	121	40.9%	16	21.6%	105	47.3%
Internship/externship	106	35.8%	11	14.9%	95	42.8%
Personal/professional connection(s) within the company	64	21.6%	26	35.1%	38	17.1%
NC State faculty member	57	19.3%	30	40.5%	27	12.2%
Career fair at NC State	53	17.9%	3	4.1%	50	22.5%
Campus or college career center	49	16.6%	5	6.8%	44	19.8%
Family/friends/classmates/co-workers	47	15.9%	9	12.2%	38	17.1%
Internet (other than LinkedIn)	31	10.5%	7	9.5%	24	10.8%
Professional association (members, conferences, publications, etc.)	29	9.8%	17	23.0%	12	5.4%
Optional Practical Training (OPT)	28	9.5%	6	8.1%	22	9.9%
Co-op experience	25	8.4%	3	4.1%	22	9.9%
Applied for job via ePACK	24	8.1%	3	4.1%	21	9.5%
Consultation w/ NCSU Career Counselor/Coach	22	7.4%	1	1.4%	21	9.5%
On-campus interviewing	20	6.8%	2	2.7%	18	8.1%
Student teaching experience	19	6.4%	7	9.5%	12	5.4%
Employer info session on campus	16	5.4%	4	5.4%	12	5.4%
Employer found resume on ePACK	8	2.7%	0	0.0%	8	3.6%
Volunteer work	8	2.7%	2	2.7%	6	2.7%
Career fair off campus	7	2.4%	1	1.4%	6	2.7%
Staffing agency	7	2.4%	0	0.0%	7	3.2%
Clinical placement	0	0.0%	0	0.0%	0	0.0%
Other	13	4.4%	3	4.1%	10	4.5%
None of the above	21	7.1%	6	8.1%	15	6.8%

*Respondents could select more than one resource.

Job Promotions and Salary Increases

Graduate students who said their full-time position will be at a place of employment for which they had begun working prior to (19.5%) or during the course of their graduate program (32.2%; Table 3) were asked whether they would be receiving a salary increase and/or a promotion/title change contingent upon receiving their degree. Half of these respondents, including 60 percent of doctoral graduates (59.5%) and 48 percent of master's graduates (48.1%) indicated they would be receiving a salary increase and/or a promotion/title change at their current place of employment upon completing their degree.

Over 40 percent of doctoral degree recipients who said they will be working at a place of employment they had obtained prior to or during their graduate program reported they would be getting both a salary increase and promotion/title change upon conferring their degree (43.2%), while 13 percent said they would be getting only a salary increase (13.5%). Among master's degree recipients, one-fourth indicated they would be receiving both a salary increase and promotion/title change after receiving their degree (24.7%), and one-fifth said they would be getting only a salary increase

(19.5%). Three percent of master's graduates said they would be receiving only a promotion/title change (3.3%).

Table 9: Job Promotion (among full-time employees continuing in place of employment had prior to graduation)

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Salary increase	35	18.3%	5	13.5%	30	19.5%
Promotion/title change	7	3.7%	1	2.7%	6	3.9%
Both a salary increase and promotion/title change	54	28.3%	16	43.2%	38	24.7%
None of the above	95	49.7%	15	40.5%	80	51.9%
Total	191	100.0%	37	100.0%	154	100.0%

Employers
Graduate students securing full-time employment were asked the name of the institution or organization for which they will be working after graduation. Although NC State graduates accepted jobs in more than 250 institutions and organizations, those hiring the greatest number of NC State December graduates were NC State University, Apple, and Qualcomm. The top employer of doctoral degree recipients was NC State University, employing 12 percent of NC State doctoral graduates (11.9%), while the top employers of master's degree recipients were Apple and Qualcomm, each employing about three percent of NC State master's graduates (6.2%).

A complete list of the institutions and organizations where graduates will be working can be found in Appendix B.

Industry and Occupation
Sixty-two percent of all graduates with full-time employment said they will be working in a private, for profit business or organization (62.3%). Close to one-fourth indicated they will be working in the education sector, including nine percent working in a U.S. four-year college or university (9.4%) and seven percent who said they will be working in a U.S. preschool, elementary, middle, or secondary school/school system (6.7%). Eight percent of graduates having secured full-time employment said they will be working for the federal (6.1%), state (0.5%), or local government (1.1%) or for a foreign government (0.3%). The remaining nine percent reported that they will be working in a private, not for profit business or organization (4.5%), will be self-employed (0.8%), or will be engaged in some "other" type of employment (2.1%).

There are a number of differences in the types of employment doctoral and master's graduates obtained. Doctoral degree recipients were far more likely than master's degree recipients to indicate they will be working at a U.S. four-year college or university (27.9% vs. 3.8%) and were more likely than master's recipients to report working for the federal government (11.6% vs. 4.5%) or a foreign educational institution (5.8% vs. 0.0%). In contrast, close to three-fourths of master's students reported that they will be working in a for profit business or organization (72.2%), compared to 29 percent of students receiving a doctoral degree (29.1%).

Table 10: Employment Sector, by Degree (full-time employees only)

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Education: U.S. 4-year college or university other than medical school	35	9.4%	24	27.9%	11	3.8%
Education: U.S. medical school (including university-affiliated hospital or medical school)	4	1.1%	2	2.3%	2	0.7%
Education: U.S. university-affiliated research institute	7	1.9%	4	4.7%	3	1.0%
Education: U.S. community or two-year college	7	1.9%	4	4.7%	3	1.0%
Education: U.S. preschool, elementary, middle, secondary school or school system	25	6.7%	5	5.8%	20	6.9%
Education: Foreign educational institution	5	1.3%	5	5.8%	.	0.0%
Government: U.S. federal government	23	6.1%	10	11.6%	13	4.5%
Government: U.S. state government	2	0.5%	.	0.0%	2	0.7%
Government: U.S. local government	4	1.1%	.	0.0%	4	1.4%
Government: Foreign government	1	0.3%	1	1.2%	.	0.0%
Private Sector: Not for profit organization	17	4.5%	5	5.8%	12	4.2%
Private Sector: Industry (for profit)	233	62.3%	25	29.1%	208	72.2%
Self-Employed	3	0.8%	.	0.0%	3	1.0%
Other	8	2.1%	1	1.2%	7	2.4%
Total	374	100.0%	86	100.0%	288	100.0%

Fifteen percent of graduates said their full-time positon will consist of professional training. Over one-third of doctoral graduates with full-time employment indicated that they will be working as a postdoctoral researcher or fellow (36.5%) and one additional doctoral graduate said they will be working as an intern (1.2%). Eight percent of master's graduates said they will be working in a postdoc or "further training" position (4.2%), an internship (3.5%), or a clinical residency (0.7%).

Table 11: Postgraduate Training Position, by Degree (full-time employees only)

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Postdoctoral fellowship	31	8.3%	31	36.5%	.	.
Internship	11	2.9%	1	1.2%	10	3.5%
Clinical residency	2	0.5%	.	0.0%	2	0.7%
Further training	12	3.2%	.	.	12	4.2%
None of the above	318	85.0%	53	62.4%	265	91.7%
Total	374	100.0%	85	100.0%	289	100.0%

Graduate students having secured full-time employment were asked to select the type of industry and the job function of the position in which they will be employed from a list of industries and job functions. Although the graduates will be working in a wide range industries, the most common industries in which NC State graduates report they will be working are *computer hardware/software* (18.2%), *engineering* (16.4%), and *education* (15.0%). While many doctoral and master's graduates report working in the same job industries, the most common industry doctoral graduates report they will be working in is *education* (26.7%), followed by *engineering* (16.3%). The most common job

industries master's graduates report they will be pursuing are *computer software/hardware* (21.5%), and *engineering* (16.4%).

Those obtaining full-time employment were most likely to say they will have a job function related to *engineering* (21.8%), followed by *software development* (14.9%) and *education/teaching/curriculum development* (9.9%). The most common job functions reported by doctoral graduates are *engineering* (20.2%), *scientific research* (19.0%), *education/teaching/curriculum development* (14.3%), and *research and development* (14.3%), whereas the top job functions reported by master's graduates are *engineering* (22.2%), *software development* (18.3%), and *education/teaching/curriculum development* (8.6%).

Table 12: Industry, by Degree (full-time employees only

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Accounting	2	0.5%	.	0.0%	2	0.7%
Aerospace	9	2.4%	1	1.2%	8	2.7%
Agriculture	8	2.1%	2	2.3%	6	2.0%
Architecture/Urban Planning	2	0.5%	.	0.0%	2	0.7%
Automotive	2	0.5%	.	0.0%	2	0.7%
Banking	4	1.1%	.	0.0%	4	1.4%
Biotechnology	2	0.5%	2	2.3%	.	0.0%
Business Services	2	0.5%	.	0.0%	2	0.7%
Chemicals	5	1.3%	2	2.3%	3	1.0%
Computer Software/Hardware	69	18.2%	6	7.0%	63	21.5%
Construction	12	3.2%	1	1.2%	11	3.8%
Consulting	8	2.1%	.	0.0%	8	2.7%
Consumer Products	2	0.5%	1	1.2%	1	0.3%
Counseling	1	0.3%	.	0.0%	1	0.3%
Design	4	1.1%	1	1.2%	3	1.0%
Education	57	15.0%	23	26.7%	34	11.6%
Electronics	4	1.1%	.	0.0%	4	1.4%
Energy	8	2.1%	3	3.5%	5	1.7%
Engineering	62	16.4%	14	16.3%	48	16.4%
Environment/Sustainability	4	1.1%	1	1.2%	3	1.0%
Fashion	1	0.3%	.	0.0%	1	0.3%
Financial Services	5	1.3%	.	0.0%	5	1.7%
Food Science	2	0.5%	.	0.0%	2	0.7%
Government	12	3.2%	5	5.8%	7	2.4%
Health Care	6	1.6%	.	0.0%	6	2.0%
Insurance	3	0.8%	.	0.0%	3	1.0%
Manufacturing	6	1.6%	.	0.0%	6	2.0%
Marketing	2	0.5%	1	1.2%	1	0.3%

Table 12: Industry, by Degree (full-time employees only), *continued*

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Military & Defense	5	1.3%	1	1.2%	4	1.4%
Natural Resources	1	0.3%	1	1.2%	.	0.0%
Non-Profit/Philanthropy	3	0.8%	1	1.2%	2	0.7%
Pharmaceutical	6	1.6%	1	1.2%	5	1.7%
Public Policy	1	0.3%	1	1.2%	.	0.0%
Research	22	5.8%	10	11.6%	12	4.1%
Retail/Merchandising	1	0.3%	.	0.0%	1	0.3%
Technology	21	5.5%	3	3.5%	18	6.1%
Telecommunications	3	0.8%	.	0.0%	3	1.0%
Utilities (Public & Private)	1	0.3%	.	0.0%	1	0.3%
Veterinary	1	0.3%	.	0.0%	1	0.3%
Wood Products	2	0.5%	1	1.2%	1	0.3%
Other	7	1.8%	3	3.5%	4	1.4%
Not sure	1	0.3%	1	1.2%	.	0.0%
Total	379	100.0%	86	100.0%	293	100.0%

Table 13: Job Function, by Degree (full-time employees only)

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Accounting	2	0.6%	.	0.0%	2	0.7%
Actuarial/Statistical & Data Analysis	3	0.8%	1	1.2%	2	0.7%
Administrative	5	1.4%	4	4.8%	1	0.4%
Agricultural Business/Economics	1	0.3%	1	1.2%	.	0.0%
Agronomy/Plant/Crop Science	5	1.4%	2	2.4%	3	1.1%
Analyst	5	1.4%	1	1.2%	4	1.4%
Animal/Veterinary	1	0.3%	.	0.0%	1	0.4%
Architecture	2	0.6%	.	0.0%	2	0.7%
Construction	9	2.5%	1	1.2%	8	2.9%
Consulting	10	2.8%	3	3.6%	7	2.5%
Counseling - School/Agency/College	2	0.6%	.	0.0%	2	0.7%
Creative Design/Graphic Arts	1	0.3%	.	0.0%	1	0.4%
Database Management	2	0.6%	.	0.0%	2	0.7%
Design - Creative	1	0.3%	.	0.0%	1	0.4%
Design - Engineering	22	6.1%	1	1.2%	21	7.5%
Economics	3	0.8%	2	2.4%	1	0.4%
Education/Teaching/Curriculum Development	36	9.9%	12	14.3%	24	8.6%
Engineering	79	21.8%	17	20.2%	62	22.2%
Environmental/Conservation	4	1.1%	1	1.2%	3	1.1%
Extension/Education	3	0.8%	1	1.2%	2	0.7%

Table 13: Job Function, by Degree (full-time employees only), *continued*

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Finance	3	0.8%	.	0.0%	3	1.1%
Food Science/Nutrition	4	1.1%	.	0.0%	4	1.4%
Horticulture/Turfgrass	1	0.3%	.	0.0%	1	0.4%
Human Health/Medical	1	0.3%	.	0.0%	1	0.4%
Human Resources	1	0.3%	.	0.0%	1	0.4%
Information Technology/Systems	14	3.9%	2	2.4%	12	4.3%
Laboratory Science	1	0.3%	1	1.2%	.	0.0%
Landscape Architecture	1	0.3%	.	0.0%	1	0.4%
Management	7	1.9%	.	0.0%	7	2.5%
Manufacturing/Production/Development	1	0.3%	.	0.0%	1	0.4%
Marketing	3	0.8%	.	0.0%	3	1.1%
Operations	1	0.3%	.	0.0%	1	0.4%
Product Development/Management	2	0.6%	.	0.0%	2	0.7%
Project Management	5	1.4%	.	0.0%	5	1.8%
Public Administration/Policy	1	0.3%	.	0.0%	1	0.4%
Quality Assurance	5	1.4%	.	0.0%	5	1.8%
Research & Development	22	6.1%	12	14.3%	10	3.6%
Sales/Technical Sales	3	0.8%	.	0.0%	3	1.1%
Science - Life/Physical Science	3	0.8%	1	1.2%	2	0.7%
Scientific Research	23	6.3%	16	19.0%	7	2.5%
Software Development	54	14.9%	3	3.6%	51	18.3%
Supply Chain Management/Logistics	1	0.3%	.	0.0%	1	0.4%
Training & Development	2	0.6%	.	0.0%	2	0.7%
Veterinary	1	0.3%	.	0.0%	1	0.4%
Other	6	1.7%	1	1.2%	5	1.8%
Not sure	1	0.3%	1	1.2%	.	0.0%
Total	363	100.0%	84	100.0%	279	100.0%

Relationship of Job to Academic Program and Satisfaction with Job
The vast majority of graduate students with full-time employment indicated that the position in which they will be working after graduation is "directly related" to their graduate program (80.6%), with most of the remainder reporting that the job is "somewhat related" to their graduate program (17.5%). Just two percent of graduates said their job was "not at all related" to their field of study (0.8% "by choice" and 1.0% "not by choice").

Eighty-nine percent of those obtaining full-time employment said they were "very satisfied" (47.6%) or "satisfied" (41.2%) with the job in which they will be working after graduation. Students receiving a master's degree were slightly more likely than those receiving a doctoral degree to say they were "very satisfied" (48.6% vs 44.2%).

Table 14: Relationship of Job to Graduate Program, by Degree (full-time employees only)

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Directly related	308	80.6%	70	81.4%	238	80.4%
Somewhat related	67	17.5%	15	17.4%	52	17.6%
Not at all related (by choice)	3	0.8%	1	1.2%	2	0.7%
Not at all related (not by choice)	4	1.0%	.	0.0%	4	1.4%
Total	382	100.0%	86	100.0%	296	100.0%

Table 15: Satisfaction with Job, by Degree (full-time employees only)

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Very Satisfied	178	47.6%	38	44.2%	140	48.6%
Satisfied	154	41.2%	40	46.5%	114	39.6%
Neutral	32	8.6%	5	5.8%	27	9.4%
Dissatisfied	9	2.4%	2	2.3%	7	2.4%
Very Dissatisfied	1	0.3%	1	1.2%	.	0.0%
Total	374	100.0%	86	100.0%	288	100.0%

Job Location

While NC State graduates will be employed across the nation, and a few will be working in other countries, just under half of those having accepted a full-time job say they will be staying in North Carolina (49.2%), with 37 percent working in the Research Triangle area (e.g., Raleigh, Durham, Chapel Hill). Those receiving a doctoral degree were slightly less likely than master's degree recipients to be working in the Triangle (32.9% vs. 37.9%) and slightly more likely to be working outside the U.S. (8.2% vs. 1.7%).

A complete list of the states and countries where graduates will be working can be found in Appendix B.

Table 16: Job Location (Top Five States of Employment; full-time employees only)

	NCSU (N = 372)		Doctoral (N = 85)		Master's (N = 287)	
	N	%	N	%	N	%
North Carolina	183	49.2%	39	45.9%	144	50.2%
California	61	16.4%	9	10.6%	52	18.1%
Washington	14	3.8%	1	1.2%	13	4.5%
New York	13	3.5%	3	3.5%	10	3.5%
Virginia	9	2.4%	2	2.4%	7	2.4%

Table 17: Job Location, by Degree (in or out of the Triangle; full-time employees only)*

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Triangle	136	36.8%	28	32.9%	108	37.9%
Other N.C.	45	12.2%	11	12.9%	34	11.9%
In U.S. outside N.C.	177	47.8%	39	45.9%	138	48.4%
Outside U.S.	12	3.2%	7	8.2%	5	1.8%
Total	370	100.0%	85	100.0%	285	100.0%

*Some respondents did not provide the name of the city in which they would be working and therefore region could not be determined.

Compensation
Graduate students who will be working full-time were asked to indicate the different ways in which they will be compensated for their job. Almost all graduates said they will be getting paid a salary (93.9%), and one-fourth said their pay will include performance bonuses (23.7%).

While doctoral graduates with full-time employment said they will be compensated through a variety of methods, three-fourths said they will be receiving only a salary (76.7%). An additional 15 percent of doctoral graduates indicate they will be receiving a salary in combination with performance bonuses (15.1%).

About two-thirds of master's graduates said they will be getting paid only a salary (66.2%), while one-fifth indicated they will receive performance bonuses in addition to a salary (19.6%). Four percent of master's graduates said they will be getting paid only hourly wages. The remaining ten percent of master's students said they will be compensated through "other" methods (10.5%).

Table 18: Type of Compensation, by Degree (full-time employees only)*

	NCSU (N = 379)		Doctoral (N = 86)		Master's (N = 293)	
	N	%	N	%	N	%
Salary	356	93.9%	82	95.3%	274	93.5%
Performance Bonuses	90	23.7%	15	17.4%	75	25.6%
Hourly	28	7.4%	1	1.2%	27	9.2%
Commission	6	1.6%	2	2.3%	4	1.4%
Stipend	6	1.6%	3	3.5%	3	1.0%
Tips/Gratuity	1	0.3%	0	0.0%	1	0.3%
Other	6	1.6%	1	1.2%	5	1.7%
Unpaid	4	1.1%	0	0.0%	4	1.4%

*Respondents could indicate more than one type of compensation.

Table 19: Type of Compensation Combined, by Degree (full-time employees only)*

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Salary only	260	69.3%	66	76.7%	194	67.1%
Salary plus performance bonuses	71	18.9%	13	15.1%	58	20.1%
Hourly only	10	2.7%	1	1.2%	9	3.1%
Other combinations	34	9.1%	6	7.0%	28	9.7%
Total	375	100.0%	86	100.0%	289	100.0%

Respondents were asked to estimate their annual salary during the coming year. NC State's graduates with full-time employment report an average annual salary of $81,380 (median = $77,500). While doctoral and master's graduates reported similar average annual salaries ($79,699 vs. $81,877, respectively), the median annual salary reported by master's graduates ($77,500) was higher than the median annual salary reported by doctoral graduates ($72,500).

Table 20: Average and Median Annual Salary, by Degree (full-time employees only)

	NCSU (N = 358)	Doctoral (N = 83)	Master's (N = 283)
Average ($)	81,380	79,699	81,877
Median ($)	77,500	72,500	77,500

Table 21: Annual Salary Collapsed, by Degree (full-time employees only)

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Less than $40,000	19	5.1%	2	2.3%	17	6.0%
$40,000 - $59,999	78	21.1%	24	27.9%	54	19.1%
$60,000 - $79,999	91	24.7%	23	26.7%	68	24.0%
$80,000 - $99,999	68	18.4%	17	19.8%	51	18.0%
$100,000 - $119,999	52	14.1%	6	7.0%	46	16.3%
$120,000 or more	50	13.6%	11	12.8%	39	13.8%
Would prefer not answer	8	2.2%	2	2.3%	6	2.1%
Not sure	3	0.8%	1	1.2%	2	0.7%
Total	369	100.0%	86	100.0%	283	100.0%

One-Time Compensation: Incentives and Relocation Packages
All graduate students with full-time employment were asked about one-time incentives, such as signing bonuses and company shares they received as a part of accepting the offer for the position in which they will be employed after graduation, and the dollar amount of the incentives they had received. *Responses from those who said they "would prefer not to answer" or that they were "not sure" of the amounts have been excluded from analysis, but are noted in the table footnotes below.*

Sixteen percent of doctoral graduates with full-time employment reported receiving a signing bonus (16.3%). Of those providing the amount they received, about half said it was for less than $20,000, with the remainder reporting it was for $25,000 or more.

Master's graduates with full-time employment were twice as likely as doctoral graduates to have received a signing bonus (35.7% vs. 16.3%). Over half of master's graduates receiving a signing

bonus and providing the dollar amount reported that the amount of the signing bonus was for $10,000 or more (57.7%), with one-fourth indicating it was for $20,000 or more (25.0%).

About one-fifth of all graduates with full-time employment indicated receiving company shares as part of their job offer (22.5%), including 13 percent of doctoral graduates (12.8%) and one-fourth of master's graduate (25.4%).

When asked to provide an estimated value of the company shares they received at the time of accepting the job offer, four of the eight doctoral graduates providing an estimated value said the value of the company shares was $100,000 or more.

Sixty percent of the master's graduates who provided an estimated value of the company shares they had received said the value was $50,000 or more at the time they secured their position, with nine percent indicating the value of the company shares was $100,000 or more (9.1%).

Table 22: Received Job Offer Incentives, by Degree (full-time employees only)*

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Signing bonus	118	31.3%	14	16.3%	104	35.7%
Company shares	85	22.5%	11	12.8%	74	25.4%
None of the above	234	62.1%	68	79.1%	166	57.0%

*Respondents could indicate more than one type of incentive.

Table 23: Amount of Signing Bonus, by Degree (full-time employees only)*

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Less than $5,000	19	18.1%	.	0.0%	19	20.7%
$5,000 to $9,999	24	22.9%	4	30.8%	20	21.7%
$10,000 to $14,999	20	19.0%	1	7.7%	19	20.7%
$15,000 to $19,999	13	12.4%	2	15.4%	11	12.0%
$20,000 to $24,999	8	7.6%	.	0.0%	8	8.7%
$25,000 to $29,999	5	4.8%	1	7.7%	4	4.3%
$30,000 or more	16	15.2%	5	38.5%	11	12.0%
Total	105	100.0%	13	100.0%	92	100.0%

*Responses of 'would prefer not to answer' (n=5) and 'not sure' (n=1) have been excluded from analysis.

Table 24: Value of Company Shares, by Degree (full-time employees only)*

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Less than $10,000	6	9.5%	.	0.0%	6	10.9%
$10,000 to $19,999	5	7.9%	.	0.0%	5	9.1%
$20,000 to $29,999	10	15.9%	1	12.5%	9	16.4%
$30,000 to $39,999	7	11.1%	1	12.5%	6	10.9%
$40,000 to $49,999	7	11.1%	.	0.0%	7	12.7%
$50,000 to $59,999	6	9.5%	.	0.0%	6	10.9%
$60,000 to $69,999	2	3.2%	.	0.0%	2	3.6%
$70,000 to $79,999	4	6.3%	.	0.0%	4	7.3%
$80,000 to $89,999	4	6.3%	2	25.0%	2	3.6%
$90,000 to $99,999	3	4.8%	.	0.0%	3	5.5%
$100,000 or more	9	14.3%	4	50.0%	5	9.1%
Total	63	100.0%	8	100.0%	55	100.0%

*Responses of 'would prefer not to answer' (n=5) and 'not sure' (n=11) have been excluded from analysis.

Respondents with full-time employment were also asked to indicate whether they had received a relocation package. Twenty-nine percent of the doctoral students (29.4%) and 38 percent of the master's students (37.7%) said that such a package was "not applicable." However, about one-third of doctoral graduates (31.8%) and 39 percent of master's graduates (38.7%) said they were offered a relocation package. Offers of relocation packages, not surprisingly, were closely related to whether or not the employee would be working in North Carolina. Over half of doctoral graduates (56.5%) and 70 percent of master's graduates (69.9%) who said they were working outside of North Carolina received a relocation package. In contrast, just nine percent of doctoral graduates (9.1%) and 18 percent of master's graduates (17.6%) who said they will be working in North Carolina, but outside the Triangle, indicated they had received a relocation package.

Table 25: Relocation Package, Doctoral Degree Recipients (full-time employees only)

		Offered relocation package			
	All	Yes	No	Not applicable	All
Triangle	28	0.0%	39.3%	60.7%	32.9%
Other NC	11	9.1%	45.5%	45.5%	12.9%
Outside NC	46	56.5%	37.0%	6.5%	54.1%
All	85	31.8%	38.8%	29.4%	100.0%

Table 26: Relocation Package, Master's Degree Recipients (full-time employees only)

		Offered relocation package			
	All	Yes	No	Not applicable	All
Triangle	107	3.7%	28.0%	68.2%	37.7%
Other NC	34	17.6%	41.2%	41.2%	12.0%
Outside NC	143	69.9%	16.1%	14.0%	50.4%
All	284	38.7%	23.6%	37.7%	100.0%

Seeking Employment

One-fifth of the doctoral students (19.3%) and one-fourth of the master's students (25.5%) responding to the December 2018 Graduate Future Plans Survey indicated they would be pursuing employment in the coming year (Table 1). Sixteen percent of graduates said that as of the time of the survey they were *seeking employment but did not have any prospects* (15.6%), with a small number indicating they were *currently negotiating with one or more specific organizations* (5.7%) or that they *had not yet begun to seek employment, but planned to do so within the next year* (3.1%).

Notably, not all of the graduates who said they were seeking or planning to seek a job were unemployed. Fifteen percent of doctoral graduates (n=3) and six percent of master's graduates (6.3%) who said they were pursuing or planning to pursue employment also indicated they were employed, either full- or part-time, as of the time of the survey.

Table 27: Status of Plans to Pursue Employment (among all respondents)

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Currently seeking position but have no specific prospects at this time	96	15.6%	19	17.4%	77	15.2%
Currently negotiating with one or more specific organizations	35	5.7%	1	0.9%	34	6.7%
Have not yet begun to seek employment, but plan on doing so within the next year	19	3.1%	1	0.9%	18	3.6%
Total	615	100.0%	109	100.0%	506	100.0%

Table 28: Employment Status at the time of the survey (among those seeking or planning to seek employment)

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Employed	10	7.6%	3	15.0%	7	6.3%
Unemployed	121	92.4%	17	85.0%	104	93.7%
Total	131	100.0%	20	100.0%	111	100.0%

The remainder of this section of the report first looks those who said they were actively seeking a job or were in the process of negotiation at the time of the survey, and then briefly at those who had not yet begun their job search but were planning to do so in the coming year.

The Job Search
Seventy-two percent of the graduate students who as of the time of the survey were seeking employment or in the process of negotiating with one or more organizations said they first began looking for a job less than six months before graduation (72.1%). Over half said they began their job search one to five months prior to receiving their degree (56.6%). The remaining 16 percent said they started searching within the month leading up to graduation (15.5%). Doctoral graduates were more likely than master's graduates to have started their job search early, with about half of doctoral graduates seeking employment beginning their search six or more months prior to graduation (52.6%, n=10). In contrast, about one-fourth of master's graduates said they had started looking for a job in the same period of time (23.6%), with 44 percent beginning their job search less than three months prior to graduation (43.7%).

Table 29: When Started Looking for a Job, by Degree (among those actively seeking employment or negotiating with one or more organizations)

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
12 or more months before graduation	6	4.7%	2	10.5%	4	3.6%
9-11 months before graduation	9	7.0%	3	15.8%	6	5.5%
6-8 months before graduation	21	16.3%	5	26.3%	16	14.5%
3-5 months before graduation	39	30.2%	3	15.8%	36	32.7%
1-2 months before graduation	34	26.4%	3	15.8%	31	28.2%
Less than one month before graduation	20	15.5%	3	15.8%	17	15.5%
Total	129	100.0%	19	100.0%	110	100.0%

Three-fourths of graduates who said they were currently seeking employment reported that they had gone on an interview for at least one position during their most recent job search (74.4%), with one-fourth having gone on interviews for four or more positions as of the time of the survey (23.3%).

Notably, a number of those who said they were currently seeking employment indicated that they had received at least one job offer as of the time of the survey. Sixteen percent of doctoral graduates (15.8%, n=3) and one-fourth of master's graduates (26.4%) said they had received at least one offer, with a small number having received two or more offers (6.8%). Graduates who had received one or more job offers were asked to indicate why the job offer(s) they had received had not worked out. The most common reasons given for not accepting a job offer include currently being in the process of negotiating or dissatisfaction with the proposed compensation (e.g., salary too low).

Table 30: Number of Positions Interviewed For, by Degree (among those actively seeking employment or negotiating with one or more organizations)

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
None	33	25.6%	4	21.1%	29	26.4%
One	15	11.6%	2	10.5%	13	11.8%
Two	29	22.5%	6	31.6%	23	20.9%
Three	22	17.1%	2	10.5%	20	18.2%
Four	9	7.0%	2	10.5%	7	6.4%
Five or more	21	16.3%	3	15.8%	18	16.4%
Total	129	100.0%	19	100.0%	110	100.0%

Table 31: Received Any Job Offers, by Degree (among those actively seeking employment or negotiating with one or more organizations)

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
No	97	75.2%	16	84.2%	81	73.6%
Yes - one	24	18.6%	2	10.5%	22	20.0%
Yes - two	6	4.7%	1	5.3%	5	4.5%
Yes – three or more	2	1.6%	.	0.0%	2	1.8%
Total	129	100.0%	19	100.0%	110	100.0%

Type of Work Seeking

All doctoral degree recipients and 92 percent of master's degree recipients (91.8%) who said that at of the time of the survey they were seeking employment and/or negotiating with one or more organizations indicated they were looking for full-time employment. The remaining eight percent of master's degree recipients said they were looking for part-time work only (3.6%) or either full-time or part-time work (4.5%).

All of the doctoral students who said they were seeking employment said that they were looking for a job either "directly related" (52.6%; n=10) or "somewhat related" (47.4%; n=9) to their field of study. While master's graduates were a bit more likely than doctoral graduates to say they were looking for a job "directly related" to their graduate program (62.7% vs. 52.6%), two master's students said that they were either looking for a job "unrelated" to their graduate program or that the relationship of the position to their program was "irrelevant" to their job search.

The most common job function doctoral graduates were hoping to be employed doing was *research and development* (38.9%, n=7), followed by *engineering* (16.7%, n=3) and *education/teaching/curriculum development* (16.7%, n=3). The most common job functions master's graduates were looking to be employed doing were *engineering* (16.3%), followed by *education/teaching/curriculum development* (8.2%).

Table 32: Looking for Full- or Part-Time Work, by Degree (among those actively seeking employment or negotiating with one or more organizations)

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Full time	120	93.0%	19	100.0%	101	91.8%
Part-time	4	3.1%	.	0.0%	4	3.6%
Either	5	3.9%	.	0.0%	5	4.5%
Total	129	100.0%	19	100.0%	110	100.0%

Table 33: Relationship of Job Seeking to Graduate Program, by Degree (among those actively seeking employment or negotiating with one or more organizations)

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Looking for position directly related to my graduate program	79	61.2%	10	52.6%	69	62.7%
Looking for position that is at least somewhat related to my graduate program	48	37.2%	9	47.4%	39	35.5%
Looking for position that is unrelated to my graduate program	1	0.8%	.	0.0%	1	0.9%
How closely position is related to my graduate program is irrelevant in my job search	1	0.8%	.	0.0%	1	0.9%
Total	129	100.0%	19	100.0%	110	100.0%

Table 34: Job Function of Job Seeking, by Degree (among those actively seeking employment or negotiating with one or more organizations)

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Account Management	1	0.9%	.	0.0%	1	1.0%
Accounting	1	0.9%	.	0.0%	1	1.0%
Actuarial/Statistical & Data Analysis	2	1.7%	.	0.0%	2	2.0%
Administrative	1	0.9%	.	0.0%	1	1.0%
Analyst	6	5.2%	.	0.0%	6	6.1%
Animal/Veterinary	2	1.7%	1	5.6%	1	1.0%
Architecture	2	1.7%	.	0.0%	2	2.0%
Arts/Performing Arts/Music	1	0.9%	.	0.0%	1	1.0%
Bio/Ag Engineering	1	0.9%	.	0.0%	1	1.0%
Construction	5	4.3%	.	0.0%	5	5.1%
Consulting	4	3.4%	1	5.6%	3	3.1%
Counseling - School/Agency/College	1	0.9%	.	0.0%	1	1.0%
Database Management	2	1.7%	.	0.0%	2	2.0%
Design - Creative	3	2.6%	1	5.6%	2	2.0%
Design - Engineering	2	1.7%	.	0.0%	2	2.0%
Education/Teaching/Curriculum Development	11	9.5%	3	16.7%	8	8.2%
Engineering	19	16.4%	3	16.7%	16	16.3%
Environmental/Conservation	3	2.6%	1	5.6%	2	2.0%
Exhibit Design	1	0.9%	.	0.0%	1	1.0%
Extension/Education	1	0.9%	.	0.0%	1	1.0%
Finance	2	1.7%	.	0.0%	2	2.0%
Food Science/Nutrition	1	0.9%	.	0.0%	1	1.0%
Information Technology/Systems	2	1.7%	.	0.0%	2	2.0%
International/NGO	1	0.9%	.	0.0%	1	1.0%
Laboratory Science	2	1.7%	.	0.0%	2	2.0%
Landscape Architecture	1	0.9%	.	0.0%	1	1.0%
Manufacturing/Production/Development	1	0.9%	.	0.0%	1	1.0%
Marketing	3	2.6%	.	0.0%	3	3.1%
Product Development/Management	2	1.7%	.	0.0%	2	2.0%
Project Management	1	0.9%	.	0.0%	1	1.0%
Public Relations	2	1.7%	.	0.0%	2	2.0%
Quality Assurance	1	0.9%	.	0.0%	1	1.0%
Recreation/Sports	2	1.7%	.	0.0%	2	2.0%
Research & Development	12	10.3%	7	38.9%	5	5.1%
Science - Life/Physical Science	1	0.9%	.	0.0%	1	1.0%
Scientific Research	3	2.6%	1	5.6%	2	2.0%
Software Development	5	4.3%	.	0.0%	5	5.1%

Table 34: Job Function of Job Seeking, by Degree (among those actively seeking employment or negotiating with one or more organizations), *continued*

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Soil/Environmental Science	1	0.9%	.	0.0%	1	1.0%
Supply Chain Management/Logistics	2	1.7%	.	0.0%	2	2.0%
Training & Development	1	0.9%	.	0.0%	1	1.0%
Other	1	0.9%	.	0.0%	1	1.0%
Total	116	100.0%	18	100.0%	98	100.0%

Location of Job Seeking
About one-fifth of both doctoral graduates and master's graduates who were seeking employment at the time they completed the survey said they were limiting their search to only North Carolina (18.6%). Close to half said they were looking for a job somewhere in the U.S., including North Carolina (48.1%), with an additional eight percent looking for a position in the U.S. anywhere except North Carolina (7.8%). One-fifth of respondents said they would be considering employment both inside and outside of the U.S. (20.2%). Finally, a small number of master's graduates said they would be looking for employment exclusively outside the U.S. (6.4%).

Table 35: Looking for Employment Inside or Outside of North Carolina, by Degree (among those actively seeking employment or negotiating with one or more organizations)

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Only N.C.	24	18.6%	4	21.1%	20	18.2%
In N.C. and other U.S. states	62	48.1%	9	47.4%	53	48.2%
In U.S., but outside N.C.	10	7.8%	2	10.5%	8	7.3%
Inside and outside the U.S.	26	20.2%	4	21.1%	22	20.0%
Outside U.S. only	7	5.4%	.	0.0%	7	6.4%
Total	129	100.0%	19	100.0%	110	100.0%

Future Job Seekers

One doctoral graduate and four percent of master's graduates (3.6%) said that while they had not yet begun to search for employment, they planned to do so within the coming year (Table 27). When asked when they planned to begin their job search, most of the respondents who had not yet begun their job search said they would start looking within three months after graduation.

Those who said they would wait until after graduation to begin their search for employment were asked about the reasons they were waiting. The most common reasons for waiting until after graduation to begin looking for employment were to consider new opportunities with their current employer or to carry out a commitment with their current employer (e.g., having an internship or work contract that ends later in the year).

Table 36: When Will Begin Job Search, by Degree (among those not yet seeking employment, but planning to do so)

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Within the next couple of weeks	5	27.8%	1	100.0%	4	23.5%
Within a month after graduation	5	27.8%	.	0.0%	5	29.4%
Within 2-3 months after graduation	6	33.3%	.	0.0%	6	35.3%
Within 4-6 months after graduation	1	5.6%	.	0.0%	1	5.9%
Within 6-12 months after graduation	1	5.6%	.	0.0%	1	5.9%
Not for at least a year	.	0.0%	.	0.0%	.	0.0%
Total	18	100.0%	1	100.0%	17	100.0%

Further Education

This section of the report provides detailed information on further education being pursued by NC State December graduates. Eleven percent of master's degree recipients who submitted the Graduate Future Plans Survey said they would be enrolled in degree program within the coming year (Table 1; 11.3%). As no doctoral degree recipients reported planning to pursue another degree, the remainder of this section looks only at the graduate/professional school plans of master's degree recipients.

Current Status for Graduate/Professional School Attendance
Of the December 2018 master's graduates planning to return to graduate/professional school, 47 percent said they are *already enrolled and are pursuing their next degree* (47.4%) and an additional seven percent indicated they *have been accepted and know where they will be going* (7.0%). Sixteen percent reported they *have been accepted but are still undecided* on whether or not or where they will actually attend (5.3%) or they *have applied, but have not yet been accepted* (10.5%). Finally, 30 percent said they *had not applied, but plan to do so in the coming year* (29.8%).

The remainder of this section reports on only those graduating with a master's degree who indicated they are currently enrolled in another degree program or have been accepted and definitely know where they will be attending graduate/professional school (Table 37; N = 31).

Table 37: Current Status for Further Graduate/Professional School Attendance, Master's Degree Recipients (among all those saying they were planning on going back to graduate/professional school in the coming year)*

	N	%
Am already enrolled and pursuing the degree	27	47.4
Have been accepted and know where I'm going	4	7.0
Have been accepted but undecided	3	5.3
Have applied, but not yet been accepted	6	10.5
Have not applied but plan to do so within the next year	17	29.8

School Attending
The vast majority of master's degree recipients who at the time of the survey were enrolled in another graduate program or knew where they will be attending graduate/professional school said they will be staying at NC State University (86.7%). Almost all of those with confirmed plans say they will be attending their first-choice school (96.8%).

Table 38: Location of School Attending, Master's Degree Recipients (N = 30)

	N	%
North Carolina	26	86.7
Illinois	1	3.3
Massachusetts	1	3.3
Michigan	1	3.3
Virginia	1	3.3

Table 39: Name of School Attending, Master's Degree Recipients (N = 30)

	N	%
NC State University	26	86.7
Northeastern University	1	3.3
The Chicago School of Professional Psychology	1	3.3
University of Michigan Ann Arbor	1	3.3
Virginia Tech	1	3.3

Table 40: Attending First Choice School, Master's Degree Recipients (N = 31)

	N	%
Yes	30	96.8
No	1	3.2

Degree Seeking

Master's graduates with confirmed plans to pursue another degree in the coming year were asked in what degree program they will be enrolled. Over 80 percent said they will be enrolled in a doctoral program (83.9%). A small number of graduates said they will be enrolled in another master's degree program (6.5%, n=2) or in some "other" degree program (6.5%, n=2).

All NC State graduates enrolling in a doctoral program will be pursuing a PhD. The survey respondents enrolling in a master's degree program will be pursuing a MAEd or a MA. One graduate said they would be enrolling in a Certificate program.

Table 41: Type of Degree Program Enrolled In, Master's Degree Recipients (N = 31)

	N	%
Master's	2	6.5
Doctoral	26	83.9
Professional	0	0.0
Other	2	6.5

Table 42: Master's Degree Programs Enrolled In, Master's Degree Recipients (N = 2)

	N	%
MAEd	1	50.0
MA	1	50.0

Table 43: Doctoral Degree Programs Enrolled In, Master's Degree Recipients (N = 26)

	N	%
PhD	26	100.0

Table 44: Other Degree Programs Enrolled In, Master's Degree Recipients (N = 1)

	N	%
Jenkins Marketing Certificate	1	100.0

Graduate/Professional School Funding/Awards Received
Ninety percent of master's students who said they had been accepted to graduate/professional school and knew where they would be going indicated that they had received funding and/or awards as part of their acceptance (91.3%). The most commonly awarded type of funding was a *research assistantship* (54.8%), followed by *teaching assistantships* (35.5%), and *fellowships* (12.9%).

Table 45: Graduate/Professional School Funding/Awards, Master's Degree Recipients* (N = 31)

	N	%
Research Assistantship	17	54.8
Teaching Assistantship	11	35.5
Fellowship	4	12.9
Scholarship	1	3.2
Honors/Award	1	3.2
Other assistantship	2	6.5

*Respondents could select more than one type of funding/award.

NC State Experiences and Resources

All doctoral and master's graduates responding to the December 2018 Graduate Future Plans Survey were asked about their participation in various professional development experiences, as well as about the career-related resources they might have used while at NC State. This section of the report summarizes the information they shared about these experiences.

Professional Development Experiences
Respondents were asked whether or not they had participated in various work-related experiences while a graduate student at NC State, and if they had such an experience, how helpful it had been in securing a job offer. Graduate students were also asked about the scholarship activities they had engaged in, including the number of times they had published an article or creative work in a peer-reviewed journal and/or presented scholarly work at a conference in their field while in graduate school.

The vast majority of graduate students indicated having participated in at least one professional development experience, including work-related experiences and scholarship activities (90.2%). Doctoral graduates were more likely than master's graduates to have participated in at least one of the work-related experiences asked about (98.2% vs. 88.5%), and were much more likely than master's graduates to have participated in three or more different types of work-related experiences during their graduate program at NC State (76.6% vs. 24.2%). Similarly, doctoral graduates were much more likely than master's graduates to have published or presented at least one article or creative work (79.4% vs. 16.0%).

Seventy-eight percent of doctoral graduates indicated having had a *research assistantship* (77.6%) and 60 percent said they had a *teaching assistantship* (59.8%) while pursuing their doctoral degree at NC State. Forty percent of doctoral graduates said they participated in *research outside of an assistantship that was not published or presented* (40.2%) and over one-fourth had an *internship* (28.0%). When those who had obtained or were seeking employment were asked about the

helpfulness of the work-related experiences they had in securing a job offer, doctoral graduates were most likely to say *research outside of an assistantship that was not published/presented* had been "very helpful" in securing a job offer (80.5%), followed by *research assistantships* and *having a job in one's field of study* (60.5% and 54.5%, respectively).

About two-thirds of doctoral graduates said they had *published at least one article or creative work in a peer-reviewed journal* during their graduate program (65.1%). Just over half indicated producing two or more publications (51.8%), with about one-fifth publishing five or more articles/creative works while pursuing their degree (21.7%). Similarly, 72 percent of doctoral graduates reported *presenting at least one research paper, poster, or creative work at a conference in their field* over the course of their graduate program, with 38 percent doing so five or more times (38.3%).

Forty-three percent of master's graduates said they had an *internship* (43.3%) during the course of their graduate program at NC State and 23 percent reported *having a job in their field of study* (22.8%). *Having a job in one's field of study* was most likely to be rated as "very helpful" in securing a job offer among master's graduates obtaining or pursuing employment and having had such an experience (71.9%). Similarly, about 71 percent of those participating in a *co-op* or *internship* rated the experience they had as "very helpful" in their job search (70.8% and 70.6%, respectively).

Relatively few master's graduates indicated having *published an article or creative work in a peer-reviewed journal* (7.2%) or having *presented a research paper, poster, or creative work at a conference* (13.6%). Three percent of master's graduates said they had produced more than one publication in a peer-reviewed journal (3.2%) and seven percent said they presented at a conference two or more times (7.4%).

Table 46: Participation in Work-Related Experiences, Doctoral Degree Recipients (N = 107)*

	Had Experience		Helpfulness in Securing Job Offer (among those having the experience and obtaining or pursuing employment)				
	N	%	Very helpful	Somewhat helpful	Not very helpful	Not at all helpful	*Not applicable***
Co-op	6	5.6%	20.0%	80.0%	0.0%	0.0%	*16.7%*
Internship	30	28.0%	42.9%	39.3%	14.3%	3.6%	*6.7%*
Externship	0	0.0%	.	.	.	.	*.*
Job in field of study	13	12.1%	54.5%	36.4%	9.1%	0.0%	*15.4%*
Practicum	2	1.9%	0.0%	0.0%	100.0%	0.0%	*50.0%*
Clinical placement	0	0.0%	.	.	.	.	*.*
Teaching Assistantship	64	59.8%	15.0%	30.0%	41.7%	13.3%	*6.3%*
Research Assistantship	83	77.6%	60.5%	28.4%	7.4%	3.7%	*2.4%*
Non-published/presented research outside of an assistantship, independently or with faculty/peers	43	40.2%	80.5%	9.8%	4.9%	4.9%	*4.7%*
Student teaching	25	23.4%	33.3%	20.8%	29.2%	16.7%	*4.0%*
Class project	6	5.6%	66.7%	0.0%	33.3%	0.0%	*50.0%*
Volunteer work in field of study	16	15.0%	33.3%	33.3%	26.7%	6.7%	*6.3%*

*Respondents could select more than one experience.
**Those who were not seeking employment (e.g., because they were continuing their education or have some other plans following graduation) were given the option to select "not applicable" when asked about the helpfulness of the work-related experience. Responses of "not applicable" have been excluded from the analysis.

Table 47: Participation in Scholarship Activities, Doctoral Degree Recipients

	N	None	One	Two	Three	Four	Five or more
		Number of Works Published/Presented					
Published an article or creative work in a peer-reviewed journal	106	34.9%	13.2%	16.0%	9.4%	4.7%	21.7%
Presented a research paper/poster/creative work at a conference	107	28.0%	2.8%	11.2%	11.2%	8.4%	38.3%

Table 48: Participation in Work-Related Experiences, Master's Degree Recipients (N = 487)*

	Had Experience		Helpfulness in Securing Job Offer (among those having the experience and obtaining or pursuing employment)				
	N	%	Very helpful	Somewhat helpful	Not very helpful	Not at all helpful	*Not applicable***
Co-op	49	10.1%	70.8%	22.9%	6.3%	0.0%	*2.0%*
Internship	211	43.3%	70.6%	24.0%	4.4%	1.0%	*3.3%*
Externship	0	0.0%	.	.	.	.	.
Job in field of study	111	22.8%	71.9%	25.8%	1.1%	1.1%	*19.8%*
Practicum	43	8.8%	39.4%	42.4%	12.1%	6.1%	*23.3%*
Clinical placement	1	0.2%	100.0%	0.0%	0.0%	0.0%	*0.0%*
Teaching Assistantship	71	14.6%	20.7%	44.8%	19.0%	15.5%	*18.3%*
Research Assistantship	72	14.8%	41.4%	46.6%	5.2%	6.9%	*19.4%*
Non-published/presented research outside of an assistantship, independently or with faculty/peers	63	12.9%	34.7%	53.1%	4.1%	8.2%	*22.2%*
Student teaching	40	8.2%	57.6%	24.2%	12.1%	6.1%	*17.5%*
Class project	70	14.4%	35.1%	43.9%	12.3%	8.8%	*17.4%*
Volunteer work in field of study	53	10.9%	30.4%	43.5%	19.6%	6.5%	*13.2%*

*Respondents could select more than one experience.
**Those who were not seeking employment (e.g., because they were continuing their education or have some other plans following graduation) were given the option to select "not applicable" when asked about the helpfulness of the work-related experience. Responses of "not applicable" have been excluded from the analysis.

Table 49: Participation in Scholarship Activities, Master's Degree Recipients

	N	None	One	Two	Three	Four	Five or more
		Number of Works Published/Presented					
Published an article or creative work in a peer-reviewed journal	487	92.8%	3.9%	1.0%	1.2%	0.6%	0.4%
Presented a research paper/poster/creative work at a conference	486	86.4%	6.2%	2.1%	2.9%	1.4%	1.0%

Career Service Offices
All respondents were asked if they had ever used one or more of the different career service offices on campus, and if so, how frequently they had used it and how they would rate the services provided. Thirty-one percent of doctoral graduates (30.8%) and about half of master's graduates (50.9%) reported having used any career service offices at NC State.

NC State's Career Development Center (CDC) was used by the greatest number of graduate students, including about one-fifth of doctoral graduates (18.7%) and 41 percent of master's graduates (41.1%). The majority of those having ever gone to the CDC indicated doing so "just once or twice" (75.0% of doctoral graduates and 66.7% of master's graduates), with one doctoral graduate and eight percent of master's graduates (8.2%) having ever gone to the Career Development Center

doing so "many times" or "on a regular basis." When asked to evaluate the services they had received, three-fourths of doctoral graduates having ever gone to the CDC rated its services "excellent" or "good," as did 81 percent of master's graduates (80.8%).

Use of specific career services offices varied widely by college. Among those responding to the survey, two out of the three doctoral students and nine out of the 13 master's students graduating from the Wilson College of Textiles (WCOT) said they had gone to at least one of the career centers at NC State. In comparison, over 90 percent of doctoral graduates (93.3%) and 84 percent of master's graduates (84.5%) in the College of Education said they had never used any career services offices at NC State during their graduate program.

Not surprisingly, college career services offices typically attracted few graduate students from outside their own college. About two-thirds of all graduate students in the Wilson College of Textiles responding to the survey said they had gone to the WCOT Career Services office. Similarly, about half of master's graduates in the Poole College of Management said they had used their own career services office (51.0%). In contrast, only a small number of doctoral graduates and about one-fourth of master's graduates (26.8%) in the College of Agriculture and Life Sciences indicated using their own career services office.

For the most part, the doctoral and master's graduates having gone to one of the college career centers said they did so "just once or twice" or "several times." However, there were a few exceptions. Graduate students were most likely to go to the Wilson College of Textiles career services office or the PCOM Career Development Center on a frequent basis, with over 15 percent indicating they had gone to these offices "many times" or "on a regular basis."

Ratings for the college career centers were largely positive—career services offices were most often rated "excellent" or "good." Eighty-seven percent of those who had ever used the PCOM Career Development Center rated its services as "excellent" (36.7%) or "good" (50.0%). In no case did more than a small number of users rate the services of any center as "poor" or "very poor."

Table 50: Career Services Used, Doctoral Degree Recipients*

	Overall	College/School							
		CALS	Design	CED	COE	CNR	HSS	COS	WCOT
Career Development Center	18.7%	0.0%	0.0%	6.7%	26.1%	20.0%	0.0%	33.3%	0.0%
CALS Career Services	4.7%	35.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wilson College of Textiles Career Services	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	66.7%
College of Design Career Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Poole COM Career Development Center**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other career office at NC State	6.5%	7.1%	0.0%	0.0%	6.5%	0.0%	0.0%	11.1%	33.3%
None	69.2%	57.1%	100.0%	93.3%	67.4%	80.0%	100.0%	55.6%	33.3%
Total	107	14	1	15	46	5	5	18	3

*Respondents could select more than one career service office.
**No doctoral students graduated from the Poole College of Management in December 2018.

Table 51: Career Services Used, Master's Degree Recipients*

	Overall	College/School								
		CALS	Design	CED	COE	CNR	HSS	COS	WCOT	PCOM
Career Development Center	41.1%	19.5%	20.0%	12.1%	61.9%	14.3%	36.8%	39.5%	15.4%	24.5%
CALS Career Services	2.5%	26.8%	0.0%	0.0%	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%
Wilson College of Textiles Career Services	2.5%	0.0%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	69.2%	4.1%
College of Design Career Services	0.8%	0.0%	30.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Poole COM Career Development Center	6.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	13.2%	0.0%	51.0%
Institute for Advanced Analytics Career Services	0.2%	0.0%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Other	3.5%	4.9%	0.0%	3.4%	3.0%	3.6%	0.0%	10.5%	0.0%	2.0%
None	49.1%	61.0%	60.0%	84.5%	35.9%	85.7%	57.9%	57.9%	30.8%	30.6%
Total	487	41	10	58	231	28	19	38	13	49

*Respondents could select more than one career service office.

Table 52: How Often Used Career Center's Services, by Degree (among those using the center's services)

CDC	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Just once or twice	147	67.4%	15	75.0%	132	66.7%
Several times	54	24.8%	4	20.0%	50	25.3%
Many times	13	6.0%	1	5.0%	12	6.1%
On a regular basis	4	1.8%	.	0.0%	4	2.0%
Total	218	100.0%	20	100.0%	198	100.0%

CALS	NCSU		Doctoral		Master's	
	N	%	N	N	%	N
Just once or twice	11	64.7%	5	100.0%	6	50.0%
Several times	3	17.6%	.	0.0%	3	25.0%
Many times	.	0.0%	.	0.0%	.	0.0%
On a regular basis	3	17.6%	.	0.0%	3	25.0%
Total	17	100.0%	5	100.0%	12	100.0%

WCOT	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Just once or twice	6	42.9%	2	100.0%	4	33.3%
Several times	5	35.7%	.	0.0%	5	41.7%
Many times	2	14.3%	.	0.0%	2	16.7%
On a regular basis	1	7.1%	.	0.0%	1	8.3%
Total	14	100.0%	2	100.0%	12	100.0%

Table 52: How Often Used Career Center's Services, by Degree (among those using the center's services), *continued*

Design	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Just once or twice	4	100.0%	.	.	4	100.0%
Several times	.	0.0%	.	.	.	0.0%
Many times	.	0.0%	.	.	.	0.0%
On a regular basis	.	0.0%	.	.	.	0.0%
Total	4	100.0%	.	.	4	100.0%
PCOM	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Just once or twice	14	46.7%	.	.	14	46.7%
Several times	11	36.7%	.	.	11	36.7%
Many times	2	6.7%	.	.	2	6.7%
On a regular basis	3	10.0%	.	.	3	10.0%
Total	30	100.0%	.	.	30	100.0%
IAA	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Just once or twice	.	0.0%	.	.	.	0.0%
Several times	1	100.0%	.	.	1	100.0%
Many times	.	0.0%	.	.	.	0.0%
On a regular basis	.	0.0%	.	.	.	0.0%
Total	1	100.0%	.	.	1	100.0%

Table 53: Evaluation of Career Center's Information/Services, by Degree (among those using services)

CDC	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Excellent	72	33.0%	4	20.0%	68	34.3%
Good	103	47.2%	11	55.0%	92	46.5%
Fair	36	16.5%	5	25.0%	31	15.7%
Poor	6	2.8%	.	0.0%	6	3.0%
Very Poor	1	0.5%	.	0.0%	1	0.5%
Total	218	100.0%	20	100.0%	198	100.0%
CALS	NCSU		Doctoral		Master's	
	N	%	N	N	%	N
Excellent	6	35.3%	2	40.0%	4	33.3%
Good	6	35.3%	1	20.0%	5	41.7%
Fair	3	17.6%	2	40.0%	1	8.3%
Poor	1	5.9%	.	0.0%	1	8.3%
Very Poor	1	5.9%	.	0.0%	1	8.3%
Total	17	100.0%	5	100.0%	12	100.0%

Table 53: Evaluation of Career Center's Information/Services, by Degree (among those using services), *continued*

WCOT	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Excellent	4	28.6%	.	0.0%	4	33.3%
Good	8	57.1%	1	50.0%	7	58.3%
Fair	2	14.3%	1	50.0%	1	8.3%
Poor	.	0.0%	.	0.0%	.	0.0%
Very Poor	.	0.0%	.	0.0%	.	0.0%
Total	14	100.0%	2	100.0%	12	100.0%

Design	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Excellent	3	75.0%	.	.	3	75.0%
Good	1	25.0%	.	.	1	25.0%
Fair	.	0.0%	.	.	.	0.0%
Poor	.	0.0%	.	.	.	0.0%
Very Poor	.	0.0%	.	.	.	0.0%
Total	4	100.0%	.	.	4	100.0%

PCOM	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Excellent	11	36.7%	.	.	11	36.7%
Good	15	50.0%	.	.	15	50.0%
Fair	3	10.0%	.	.	3	10.0%
Poor	1	3.3%	.	.	1	3.3%
Very Poor	.	0.0%	.	.	.	0.0%
Total	30	100.0%	.	.	30	100.0%

IAA	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Excellent	.	0.0%	.	.	.	0.0%
Good	1	100.0%	.	.	1	100.0%
Fair	.	0.0%	.	.	.	0.0%
Poor	.	0.0%	.	.	.	0.0%
Very Poor	.	0.0%	.	.	.	0.0%
Total	1	100.0%	.	.	1	100.0%

Professional Development Services

Graduate students were asked whether or not they had used specific career-related services or professional development programs offered at NC State while pursuing their graduate degree.

Master's graduates were a bit more likely than doctoral graduates to have used at least one of the career-related resources offered at NC State during the course of their graduate program. About half of master's graduates reported using *ePACK*, the Career Development Center's online tool for connecting NC State students with potential employers (49.3%), and 45 percent had *attended a*

career fair (45.4%). Over one-fourth of master's graduates said they had visited *NC State's Career Development Center website* (31.4%), *attended employer information sessions* (27.7%), and/or *attended presentations on resume writing, interviewing, and other skills* (27.5%). A very small number of master's graduates indicated using any of the professional development services or programs offered by the Graduate School.

About one-third of doctoral graduates indicated *attending a career fair*, either on-campus or off-campus (34.6%) and/or *attending presentations on resume writing, interviewing, and other skills* (33.6%). About one-fourth said they had used *ePACK* (27.1%) and/or had *visited NC State's Career Development Center website* (25.2%). When asked about resources available through the Graduate School they may have used while pursuing their degree, eight percent of doctoral graduates indicated completing the *Preparing the Professoriate* program (8.4%) and eight percent said they had participated in the *Accelerate to Industry (A2i)* program (7.5%).

Table 54: Career Related Resources Used While at NC State, by Degree*

	NCSU (N = 594)		Doctoral (N = 107)		Master's (N = 487)	
	N	%	N	%	N	%
ePACK	269	45.3%	29	27.1%	240	49.3%
Attended career fair	258	43.4%	37	34.6%	221	45.4%
Visited NC State Career Development Center website	180	30.3%	27	25.2%	153	31.4%
Presentations on resume writing, interviewing skills, etc	170	28.6%	36	33.6%	134	27.5%
Attended employer info sessions	159	26.8%	24	22.4%	135	27.7%
On-campus interviewing	85	14.3%	8	7.5%	77	15.8%
Spoke w/ Career Counselor/Coach	81	13.6%	5	4.7%	76	15.6%
Joined professional society at NC State related to career field	72	12.1%	24	22.4%	48	9.9%
Mock interviews w/ Career Counselor/Coach	45	7.6%	4	3.7%	41	8.4%
None of the above	181	30.5%	40	37.4%	141	29.0%

*Respondents could select more than one resource.

Table 55: Graduate School Resources Used While At NC State, by Degree

	NCSU (N = 594)		Doctoral (N = 107)		Master's (N = 487)	
	N	%	N	%	N	%
Accelerate to Industry (A2i)	21	3.5%	8	7.5%	13	2.7%
Preparing the Professoriate	19	3.2%	9	8.4%	10	2.1%
Obtained Teaching and Communication Certificate	15	2.5%	6	5.6%	9	1.8%

*Respondents could select more than one resource.

The 43 percent of graduate students who said they had attended a career fair while pursuing their degree were asked which career fair(s) they had attended. About 70 percent of all doctoral graduates and master's graduates reported attending the *Engineering Career Fair* (70.3% and 70.6%, respectively). About one-fifth of doctoral graduates (18.9%) and one-fourth of master's graduates (24.0%) said they had attended the *Graduate School Fair* at NC State.

Table 56: Career Fairs Attended, by Degree (among those saying they had attended any career fair)*

	NCSU (N = 258)		Doctoral (N = 37)		Master's (N = 221)	
	N	%	N	%	N	%
College of Humanities and Social Sciences Career Fair	5	1.9%	0	0.0%	5	2.3%
College of Design Career Expo or Spring Interview Days	7	2.7%	1	2.7%	6	2.7%
College of Education Career Fair	8	3.1%	0	0.0%	8	3.6%
Engineering Career Fair	182	70.5%	26	70.3%	156	70.6%
Poole College of Management Career & Internship Fair	28	10.9%	1	2.7%	27	12.2%
STEAM² Career Expo	16	6.2%	5	13.5%	11	5.0%
Textiles Job Forum	11	4.3%	2	5.4%	9	4.1%
Graduate School Career Fair at NC State	60	23.3%	7	18.9%	53	24.0%
Law School Fair	0	0.0%	0	0.0%	0	0.0%
Health Career Expo	1	0.4%	0	0.0%	1	0.5%
Other career fair at NC State	21	8.1%	3	8.1%	18	8.1%
Career fair at another college/university	9	3.5%	3	8.1%	6	2.7%
Career fair not affiliated with a college/university (e.g., specific employer, city wide)	9	3.5%	1	2.7%	8	3.6%
Don't know/Don't remember which one	5	1.9%	1	2.7%	4	1.8%

*Respondents could select more than one career fair.

Closing Comments

The Graduate Future Plans Survey closed by asking respondents to rate their overall satisfaction with their graduate program and with the career guidance they had received from their department and/or college while at NC State, and to reflect on how they are feeling about their future.

Over 85 percent of the December 2018 doctoral and master's graduates said they were "very satisfied" (47.8%) or "satisfied" (39.4%) with their graduate program as a whole. Just two percent of doctoral graduates (n=2) and four percent of master's indicated they were "dissatisfied" or "very dissatisfied" with their graduate program overall.

Sixty-four percent of the December 2018 doctoral and master's graduates combined said they were either "very satisfied" (25.0%) or "satisfied" (39.3%) with the career guidance they received from their academic department/college. While 29 percent said they were "neutral" about the guidance they received (28.8%), just seven percent said they were either "dissatisfied" (5.6%) or "very dissatisfied" (1.4%) with the career guidance they were provided by their department/college.

Overall, the December 2018 graduates are excited about their future. When asked which statement comes closest to how they were feeling about their future, over two-thirds of doctoral and master's graduates said that they were "very excited" (68.3%) about what they will be doing, with an additional 28 percent saying they were "fairly excited" (28.2%). Just four percent of graduates said they were "not very excited" (2.9%) or "not at all excited" (0.7%).

Similarly, the vast majority of December 2018 doctoral and master's graduates also feel prepared for their future. When asked about how prepared they felt for their future career paths, over 95 percent of respondents said that they felt either "very prepared" (62.2%) or "somewhat prepared" (34.3%) for

their future career paths. Just four percent of respondents said they felt "somewhat unprepared" (2.9%) or "very unprepared" (0.7%).

Table 57: Overall Satisfaction with Graduate Program, by Degree

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Very Satisfied	284	47.8%	46	42.6%	238	49.0%
Satisfied	234	39.4%	46	42.6%	188	38.7%
Neutral	56	9.4%	14	13.0%	42	8.6%
Dissatisfied	15	2.5%	2	1.9%	13	2.7%
Very Dissatisfied	5	0.8%	.	0.0%	5	1.0%
Total	594	100.0%	108	100.0%	486	100.0%

Table 58: Overall Satisfaction with Career Guidance, by Degree

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Very Satisfied	148	25.0%	19	17.9%	129	26.6%
Satisfied	232	39.3%	45	42.5%	187	38.6%
Neutral	170	28.8%	32	30.2%	138	28.5%
Dissatisfied	33	5.6%	10	9.4%	23	4.7%
Very Dissatisfied	8	1.4%	.	0.0%	8	1.6%
Total	591	100.0%	106	100.0%	485	100.0%

Table 59: Feelings about Future Career Path, by Degree

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Very excited about what I will be doing	405	68.3%	67	62.6%	338	69.5%
Fairly excited about what I will be doing	167	28.2%	36	33.6%	131	27.0%
Not very excited about what I will be doing	17	2.9%	3	2.8%	14	2.9%
Not at all excited about what I will be doing	4	0.7%	1	0.9%	3	0.6%
Total	593	100.0%	107	100.0%	486	100.0%

Table 60: Feelings of Preparation for Future Career Path, by Degree

	NCSU		Doctoral		Master's	
	N	%	N	%	N	%
Very prepared	368	62.2%	64	59.8%	304	62.7%
Somewhat prepared	203	34.3%	38	35.5%	165	34.0%
Somewhat unprepared	17	2.9%	4	3.7%	13	2.7%
Very unprepared	4	0.7%	1	0.9%	3	0.6%
Total	592	100.0%	107	100.0%	485	100.0%

For more information about the Graduate Future Plans Survey contact:
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Posted: May, 2019

December 2018 Graduate Future Plans Survey
Appendix A: Complete List of Employers
(among those securing full-time employment)

Table 1: Company Name, Doctoral Degree Recipients

	N
ARA	1
Apple	1
AskBio	1
Atkins	1
Atkins Engineering	1
BASF	1
CNA Corporation	1
Campbell University	1
Center for Geospatial Analytics	1
Columbia University	1
Department of Energy NNSA Production Office	1
Department of Nuclear Engineering	1
Durham Public Schools	1
EPA	1
ERCOT	1
Facebook	2
Google	2
Halifax County Schools	1
Harkins Builders	1
High Point University	1
IBM	1
ITER Organization	1
Idaho National Laboratory	1
Idaho State University	1
Indiana University at Bloomington	1
Instituto Tecnológico de Costa Rica	1
Janelia	1
Johnston Community College	1
Jordi Labs LLC	1
KAUST	1
Korea Military Academy	1
Korean institute for Industrial Economics and Trade	1
Lam Research	1
Los Alamos National Laboratory	2
Louisburg College	1

Table 1: Company Name, Doctoral Degree Recipients, *continued*

	N
MIT	1
Microsoft	1
NASA MSFC	1
NC State University	10
Nash Rocky Mount Schools	1
National Fund for Workforce Solutions	1
National Institute of Environmental Health Sciences	1
Naval Research Lab	1
North Carolina School of Science and Math	1
Oak Ridge Institute for Science and Education (ORISE)	1
SAS	2
Scaling Up Digital Design Studies	1
Scripps Florida	1
Shirley Ryan Abilitylab	1
Stanford University	1
Swiss TPH	1
Syracuse University	1
TE Connectivity	1
Temple University	1
The University of Florida	1
Thornton Tomasetti	1
Titan America	1
Total	1
UNC Chapel Hill	2
UNC Greensboro	1
US Navy	1
University of Costa Rica	1
University of Illinois-Urbana Champaign	1
Valassis Digital	1
Wake County Public School System	1
Wake Forest University	1
Winston Salem State University	1
World Resources Institute	1
York Technical College	1
Zenomics Inc	1

Table 2: Company Name, Master's Degree Recipients

	N
ADT	1
AMD Inc.	1
Adidas AG	1
Airgas	1
Al Iman School	1
Alcami	1
Allstate	1
Alpha Chi Omega Fraternity	1
Altman Plants	1
Amazon	4
Amazon Web Services	1
Analog Devices Inc.	2
Anokiwave	1
Apeel Sciences	1
Apple	9
Arista Networks	2
Atrium Health	1
Audible	1
BASF	2
BCBSNC	1
BD	1
Bank of America	1
Bayer	1
BekaertDeslee	1
Benchmark Tool and Supply	1
Biltmore	1
Black & Veatch	1
Bloomberg L.P.	1
Boeing	1
Brazoria County TX, Department of Engineers	1
Briegan Concrete, LLC	1
Burns and McDonnell	1
CAA-GBG Global Brands Group	1
CDM Smith	2
Caterpillar, Inc	2
Charles Schwab	1
CipherHealth	1
Cisco Systems	6

Table 2: Company Name, Master's Degree Recipients, *continued*

	N
Citrix Systems	5
Computer Packages Inc.	1
Copernicus Group IRB	1
Credit Suisse	1
Davis Kane Architects, PA	1
Dell	2
Dell EMC	1
Deloitte	2
Department of Homeland Security	1
Department of Revenue	1
Deutsche Bank	2
Duke Energy	2
Duke University	3
Durham County Public Health	1
Durham Public Schools	3
ERM	2
East Durham Children's Initiative	1
Eaton	1
Eno River Academy	1
Erie Insurance	1
FDH Infrastructure Services	1
Facebook	5
Federal Reserve Bank	1
Financial Risk Group	1
Freyssinet Inc	1
Friends of the Mountains to Sea Trail	1
GDM Seeds, Inc.	1
GEI Consultants	1
General Electric Power	1
Global Brands Group	1
Google	1
Government	1
Granville County Public Schools	2
Greene County Schools	1
Gresham Smith	1
HDR Inc.	1
HNTB	1
HPE	1
Honda Aircraft Company	1

Table 2: Company Name, Master's Degree Recipients, *continued*

	N
IBM	2
IT People	1
Informatica	1
Insight Human Resources	1
InspectionXpert	1
Intel	4
Intuitive Surgical	1
Jacobs Engineering	1
John Hopkins Applied Physics Lab	1
Johnston County School System	1
KPMG	2
Katerra	1
Kimley-Horn and Associates, Inc.	1
Knowles Intelligent Audio	1
LGS	1
Lee County Health Department	1
Lenovo	3
Lincoln Financial	1
LinkedIn	2
Little Rock Water Reclamation Authority	1
Lockheed Martin	1
Louis Cherry Architecture	1
Louis Vuitton	1
M.C. Dean	3
MARKEN	1
MD Anderson Hospital	1
March Associates Construction	1
MathWorks	1
McKim&Creed	1
Metcon	1
Micron Technology	1
Microsoft	3
Milbrook High School	1
Military Sealift Command	1
Molina Healthcare	1
Moog Inc.	1
Morgan Stanley	2
N/A	1
NASCENT	1

Table 2: Company Name, Master's Degree Recipients, *continued*

	N
NC State University	5
NNE	1
NOAA National Weather Service	1
National Institute of Health	1
NavAir	1
Nooter/Eriksen	1
North Carolina's Electric Cooperatives	1
NorthState	1
Northrop Grumman	1
Novo Nordisk Pharmaceutical Industries	1
Nutanix	3
Nutrien	1
Nvidia	2
Pacific Northwest National Lab	1
Palo Alto Networks	2
Panther Creek High School	1
Parkwood Elementary	1
Peter Millar	1
Pfizer	1
Pinpt Inc.	1
Plexus Scientific Corporation	1
Prometheus Group LLC	1
Purdue University	1
Pwc	1
Qualcomm	9
RBC	1
RBC AeroStructures	1
RS&H	1
RTI Health Solutions	1
Ravenscroft School	1
Rivian Automotive LLC	1
Rolesville High School	1
SAP Concur	1
SAS	1
Safran Aerospace	1
Samsung SARC	1
Sandia National Laboratory	1
Schweitzer Engineering Laboratories	2
Sealed Air	1

Table 2: Company Name, Master's Degree Recipients, *continued*

	N
Securonix	1
Sensus Inc	1
Siemens	4
SignalFx, Inc.	1
Skanska USA	1
Southland Holdings	3
Spreetail	1
Sun Fiber	1
Sunovion Pharmaceutical	1
Swift Creek Middle School	1
Swinerton	1
Syneos Health	2
Synopsys Inc	1
TRC Interactive, Inc.	1
The Diw Company	1
The Expedition School	1
The North Carolina General Assembly	1
Tri-County Community College	1
Trouw Nutrition SA	1
UNC Chapel Hill	2
UNC Charlotte	1
UNC Fertility	1
US Air Force	2
US Army	1
US Department of Defense	1
USflacon, Inc.	1
Uber	1
Undisclosed Lobbying firm	1
UnitedHealth Group	1
University of Minnesota Extension	1
University of Washington	1
Upstate Niagara Cooperative	1
VMware	4
VS Engineering, Inc.	1
VenTara Corporation	1
Verdesian Life Sciences	1
Veterinary Specialty Hospital of the Carolinas	1
Wadelynn Geospatial	1
Wake County Public School System	7

Table 2: Company Name, Master's Degree Recipients, *continued*

	N
Wake Forest Medical Center	1
Wake Technical Community College	1
Walt Disney World	1
Weyerhaeuser	1
Xtreme Coating Technologies	1
magniX	1

December 2018 Graduate Future Plans Survey
Appendix B: Complete List of Countries and States in Which Graduates Will Be/Are Working
(among those securing full-time employment)

Table 1: Country of Employment, Doctoral Degree Recipients

	N
Costa Rica	2
France	1
India	1
South Korea	2
Switzerland	1
United States	79

Table 2: Country of Employment, Master's Degree Recipients

	N
China	1
Germany	2
Guatemala	1
United States	286

Table 3: State of Employment, Doctoral Degree Recipients

	N
Alabama	1
California	9
District of Columbia	4
Florida	2
Idaho	2
Illinois	2
Indiana	1
Maryland	1
Massachusetts	2
New Mexico	2
New York	3
North Carolina	39
Oregon	1
Pennsylvania	2
South Carolina	1
Tennessee	1
Texas	1
Virginia	2
Washington	1

Table 3: State of Employment, Doctoral Degree Recipients, *continued*

	N
Not applicable - working remotely	1
Not sure	1

Table 4: State of Employment, Master's Degree Recipients

	N
Alabama	2
Arkansas	2
California	52
Colorado	3
District of Columbia	1
Florida	3
Georgia	4
Indiana	2
Kentucky	1
Maryland	2
Massachusetts	4
Minnesota	2
Missouri	1
Nebraska	1
New Hampshire	2
New Jersey	3
New Mexico	1
New York	10
North Carolina	144
Ohio	4
Oregon	3
Pennsylvania	2
South Carolina	4
Tennessee	1
Texas	6
Virginia	7
Washington	13
Wisconsin	1
Not applicable - working remotely	1
Not sure	2

December 2018 Graduate Future Plans Survey
Appendix C: Graduate/Professional Schools Students Will Be Attending (among those who currently enrolled in another graduate degree program or have been accepted and know where they will be going)

Table 1: Name of Graduate/Professional School Attending, Master's Degree Recipients

	N
NC State University	26
Northeastern University	1
The Chicago School of Professional Psychology	1
University of Michigan Ann Arbor	1
Virginia Tech	1

December 2018 Graduate Future Plans Survey
Appendix D: Complete List of Degrees Graduate Students are Pursuing (among those who currently enrolled in another graduate degree program or have been accepted and know where they will be going)

Table 1: Master's Degree Program Enrolled In, Master's Degree Recipients

	N
MA	1
MAEd	1

Table 2: Doctoral Degree Program Enrolled In, Master's Degree Recipients

	N
PhD	26

Table 3: Other Degree Program Enrolled In, Master's Degree Recipients

	N
Jenkins Marketing Certificate	1