

December 2018 Graduate Future Plans Survey College of Sciences Summary Report

This report presents summary results from the December 2018 Graduate Future Plans Survey for departments and types of degree programs in the College of Sciences, followed by summary information on employment and further education for the college as a whole.

Highlights for the College of Sciences

- 57% of the doctoral and master's students in COS graduating in fall 2018 responded to the survey
- 89% of doctoral respondents and 41% of master's respondents in COS report that they have secured full-time employment for the coming year
- COS graduates with full-time employment report an average salary in the coming year of \$76,452 (median = \$72,500)
- 55% of COS graduates with full-time employment will be working in North Carolina (34% in the Research Triangle Area)
- 21% of master's students in COS report that they plan to return to graduate/professional school in the coming year
- 100% of master's students in COS with definite plans to graduate/professional school will be attending a school in North Carolina

Department Summaries

The following tables provide summary statistics for December 2018 graduates in the College of Sciences. Table 1 includes the number of graduate students in the College of Sciences who graduated in December 2018 and the number of those students who submitted the Graduate Future Plans Survey. It also includes the number of students who indicated at the time of the survey that they would be working full-time, as well as the number of those who indicated they were either pursuing or planning to pursue another graduate or professional degree in the coming year. Finally, it includes summary statistics on the self-reported salaries of those who reported that they would be employed full-time. Table 2 and Table 3 provide the same summary statistics for December 2018 graduates in each department in the College of Sciences, for doctoral graduates and master's graduates, respectively.

Table 1: College Summary

College	Survey Population	Survey Respondents	Response Rate	N Full Time Job	N Grad/Prof School*	25th Percentile Salary	Median Salary	75th Percentile Salary	Average Salary	N Reporting Salary
COS Overall	101	58	57%	33	8	52,500	72,500	92,500	76,452	31

Table 2: Department Summaries, Doctoral Degree Recipients

Department	Survey Population	Survey Respondents	Response Rate	N Full Time Job	N Grad/Prof School*	25th Percentile Salary	Median Salary	75th Percentile Salary	Average Salary	N Reporting Salary
College of Science Dean's Office	2	1	50%	1	.	**	**	**	**	1
Biological Sciences	4	3	75%	2	.	**	**	**	**	2
Chemistry	7	4	57%	4	.	50,000	62,500	80,000	65,000	4
Marine, Earth and Atmospheric Sciences	2	**	**	**	**	.
Mathematics	7	3	43%	2	.	**	**	**	**	2
Physics	6	1	17%	1	.	**	**	**	**	1
Statistics	9	7	78%	7	.	62,500	75,000	117,500	88,750	6
COS Doctoral Degree Recipients Overall	37	19	51%	17	.	52,500	62,500	85,000	74,844	16

*Includes all students planning on going to graduate/professional school in the coming year for another degree, including those who were currently enrolled as of the time of the survey or who have been accepted to graduate/professional school and know where they will be going as well as those who have been accepted to at least one school but have not yet finalized their plans, those who have applied but have not yet been accepted, and those who have not yet applied but plan to do so.

**Statistics on salary information for those departments with fewer than 4 respondents reporting their salary have been excluded from the table.

Table 3: Department Summaries, Master's Degree Recipients

Department	Survey Population	Survey Respondents	Response Rate	N Full Time Job	N Grad/Prof School*	25th Percentile Salary	Median Salary	75th Percentile Salary	Average Salary	N Reporting Salary
Biological Sciences	1	1	100%	.	1	**	**	**	**	.
Chemistry	3	3	100%	1	.	**	**	**	**	1
College of Science Dean's Office	1	**	**	**	**	.
Marine, Earth and Atmospheric Sciences	5	5	100%	3	1	**	**	**	**	3
Mathematics	38	20	53%	8	3	72,500	82,500	97,500	84,643	7
Physics	3	1	33%	.	1	**	**	**	**	.
Statistics	13	9	69%	4	2	62,500	85,000	120,000	91,250	4
COS Master's Degree Recipients Overall	64	39	61%	16	8	47,500	77,500	92,500	78,167	15

*Includes all students planning on going to graduate/professional school in the coming year for another degree, including those who were currently enrolled as of the time of the survey or who have been accepted to graduate/professional school and know where they will be going as well as those who have been accepted to at least one school but have not yet finalized their plans, those who have applied but have not yet been accepted, and those who have not yet applied but plan to do so.

**Statistics on salary information for those departments with fewer than 4 respondents reporting their salary have been excluded from the table.

Full-Time Employment (college overall)

Table 4: Name of Company/Organization, Doctoral Degree Recipients

	N
Apple	1
BASF	1
Columbia University	1
EPA	1
Google	1
Janelia	1
KAUST	1
Louisburg College	1
National Institute of Environmental Health Sciences	1
Oak Ridge Institute for Science and Education (ORISE)	1
SAS	1
Scripps Florida	1
Swiss TPH	1
Syracuse University	1
Temple University	1
UNC Chapel Hill	1
Wake Forest University	1

Table 5: Name of Company/Organization, Master's Degree Recipients

	N
Alcami	1
Atrium Health	1
BASF	1

Table 5: Name of Company/Organization, Master's Degree Recipients, *continued*

	N
Bank of America	1
Deloitte	1
ERM	1
Financial Risk Group	1
Lincoln Financial	1
NOAA National Weather Service	1
Northrop Grumman	1
Pacific Northwest National Lab	1
Pwc	1
RBC	1
SAS	1
Sunovion Pharmaceutical	1
UNC Chapel Hill	1

Table 6: Location of Company (state), Doctoral Degree Recipients

	N	%
North Carolina	7	47%
California	2	13%
New York	2	13%
Virginia	1	7%
Florida	1	7%
Pennsylvania	1	7%
Not sure	1	7%

Table 7: Location of Company (state), Master's Degree Recipients

	N	%
North Carolina	10	63%
Georgia	1	6%
New York	1	6%
Virginia	1	6%
Washington	1	6%
South Carolina	1	6%
Massachusetts	1	6%

Table 8: Region of Company (inside/outside NC Triangle), Doctoral Degree Recipients

	N	%
Triangle	5	31%
Other NC	2	13%
Outside NC	9	56%

Table 9: Region of Company (inside/outside NC Triangle), Master's Degree Recipients

	N	%
Triangle	6	38%
Other NC	4	25%
Outside NC	6	38%

Table 10: Job Title, Doctoral Degree Recipients

	N
Assistant Professor	1
Data Scientist	1
Environmental Microbiologist	1
Hardware Engineer	1

Table 10: Job Title, Doctoral Degree Recipient, *continued*

	N
Instructor of Mathematics	1
Member of Leadership Development Program	1
Postdoctoral Associate	1
Postdoctoral Fellow	3
Postdoctoral Research Associate	1
Postdoctoral Research Fellow	1
Postdoctoral Scientific Collaborator	1
Remote Consultant	1
Research Associate	1
Research Statistician Developer	1
Visiting Assistant Professor	1

Table 11: Job Title, Master's Degree Recipients

	N
Actuarial Analyst	1
Advisory Consultant	1
Analytical Chemist	1
Associate Consultant	1
Biostatistician	1
Future Technical Leader	1
Health Services Research	1
Manager of SAS Programming	1
Meteorologist	1
Model Risk Associate	1
Postdoc	1

Table 11: Job Title, Master's Degree Recipients, continued

	N
Quantitative Analyst	1
Research Geophysicist	1
Risk Analyst	1
Sr Associate Research Statistician Developer	1
Staff Geologist	1

Table 12: Resources Used to Help Get/Locate Job, by Degree Received*

	COS Overall		Doctoral		Master's	
	N	%	N	%	N	%
Internet: LinkedIn	9	30%	4	25%	5	36%
Personal/professional connection(s) within the company	8	27%	5	31%	3	21%
NC State faculty member	8	27%	6	38%	2	14%
Internship/externship	6	20%	2	13%	4	29%
Campus or college career center	4	13%	0	0%	4	29%
Career fair at NC State	4	13%	0	0%	4	29%
Career fair off campus	3	10%	1	6%	2	14%
Employer info session on campus	3	10%	1	6%	2	14%
Co-op experience	3	10%	1	6%	2	14%
Internet (Other)	3	10%	3	19%	0	0%
Applied for job via ePACK	2	7%	0	0%	2	14%
Optional Practical Training (OPT)	2	7%	1	6%	1	7%
Student teaching experience	2	7%	1	6%	1	7%
Volunteer work	2	7%	1	6%	1	7%
Professional association (members, conferences, publications, etc.)	2	7%	1	6%	1	7%

Table 12: Resources Used to Help Get/Locate Job, by Degree Received*, *continued*

	COS Overall		Doctoral		Master's	
	N	%	N	N	%	N
Staffing agency	2	7%	0	0%	2	14%
Family/friends/classmates/co-workers	2	7%	2	13%	0	0%
Consultation w/ NCSU Career Counselor/Coach	1	3%	0	0%	1	7%
On-campus interviewing	1	3%	0	0%	1	7%
Employer found resume on ePACK	0	0%	0	0%	0	0%
Clinical placement	0	0%	0	0%	0	0%
Other	2	7%	1	6%	1	7%

*Respondents could select more than one resource.

**Question was asked of those who indicated they would be employed full-time in a position they had obtained during their graduate program or at the time of graduation (i.e., excluding those who said they would be employed in a position they had obtained prior to beginning their graduate program).

Further Education (college overall)

Table 13: Status for Further Graduate/Professional School Attendance, Master's Degree Recipients (among those planning to attend)

	N	%
Am already enrolled and pursuing the degree	7	88%
Have been accepted and know where I'm going	.	0%
Have been accepted but undecided	.	0%
Have applied, but not yet been accepted	.	0%
Have not applied but plan to do so within the next year	1	13%

Information provided in the tables below is collected and reported only for respondents who indicated that at the time of the survey they had been accepted to graduate/professional school to pursue another degree and were currently enrolled or knew where they would be going.

Table 14: Name of Graduate/Professional School Students will be Attending, Master's Degree Recipients

	N
NC State University	7

Table 15: Location of Graduate/Professional School Students will be Attending, Master's Degree Recipients

	N	%
North Carolina	7	100%

Table 16: Type of Degree Pursuing, Master's Degree Recipients*

	N	%
Master's	0	0%
Doctoral	6	86%
Professional	0	0%
Other	0	0%

*Respondents could select more than one degree.

Table 17: Doctoral Degree Pursuing, Master's Degree Recipients

	N
PhD	6

Table 18: Academic Program, Master's Recipients*

	N
Applied Mathematics	1
Bioinformatics	1
Biology	1
Marine Earth and Atmospheric Sciences	1
Mathematics	2
Physics, PhD	1

*Academic program has not been cleaned. Responses are verbatim.

For more information on the Graduate Future Plans Survey contact:

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