

December 2019 Graduate Future Plans Survey

College of Sciences

Summary Report

This report presents summary results from the December 2019 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

- 44% of the doctoral and master's students in COS graduating in fall 2019 responded to the survey
- 87% of doctoral respondents and 46% 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 \$87,159 (median = \$85,000)
- 52% of COS graduates with full-time employment will be working in North Carolina (42% 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 2019 graduates in the College of Sciences. Table 1 includes the number of graduate students in the College of Sciences who graduated in December 2019 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 2019 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	97	43	44%	26	7	67,500	85,000	102,500	87,159	22

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
Biological Sciences	4	**	**	**	**	.
Chemistry	4	1	25%	.	1	**	**	**	**	.
Marine, Earth and Atmospheric Sciences	2	2	100%	2	.	**	**	**	**	2
Mathematics	6	4	67%	4	.	75,000	97,500	102,500	88,750	4
Physics	10	5	50%	4	.	72,500	102,500	122,500	97,500	4
Statistics	7	3	43%	3	.	**	**	**	**	3
COS Doctoral Degree Recipients Overall	33	15	46%	13	1	62,500	102,500	117,500	91,923	13

*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	3	1	33%	1	.	**	**	**	**	.
Marine, Earth and Atmospheric Sciences	9	4	44%	.	1	**	**	**	**	.
Mathematics	28	12	43%	6	.	67,500	72,500	77,500	73,333	6
Physics	10	3	30%	.	3	**	**	**	**	.
Statistics	14	8	57%	6	2	**	**	**	**	3
COS Master's Degree Recipients Overall	64	28	44%	13	6	72,500	77,500	82,500	80,278	9

*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
AOSense	1
Department of Defense	1
Eli Lilly and Company	1
Emory University	1
Johns Hopkins University	1
Maejo University	1
NC State University	1
Novartis Pharmaceutical Company	1
Pacific Northwest National Laboratory	1
SAS Institute	1
Sandia National Laboratories	1
Syngenta	1

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

	N
Cone Health	1
Credit Suisse	1
Duke Clinical Research Institute	1
Fidelity Investments	1
First Citizens Bank	1
IQVIA	1
Northrop Grumman	1
PNC	1
Purdue Pharma	1
RTI International	1

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

	N	%
North Carolina	3	25%
Oregon	1	8%
California	1	8%
Virginia	1	8%
Indiana	1	8%
Georgia	1	8%
Maryland	1	8%
New Jersey	1	8%
Washington	1	8%
New Mexico	1	8%

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

	N	%
North Carolina	10	77%
South Carolina	1	8%
Pennsylvania	1	8%
Not sure	1	8%

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

	N	%
Triangle	3	23%
Other NC	.	0%
Outside NC	10	77%

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

	N	%
Triangle	7	64%
Other NC	2	18%
Outside NC	2	18%

Table 10: Job Title, Doctoral Degree Recipients

	N
Analytical Consultant	1
Data Scientist	1
Imagery Scientist	1
Junior Data Engineer	1
Lecturer	1
Physicist	1
Postdoc	2
Postdoctoral Appointee	1
Postdoctoral Research Fellow	1
Principal Biostatistician	1
Process Engineer	1
Research Scientist	1

Table 11: Job Title, Master's Degree Recipients

	N
Biostatistician I	1
Chemist II	1
Data Analyst	1
Data Scientist	1
IT Audit Analyst II	1
Model Validation Analyst	1
Quantitative Analyst	1
Risk Analyst	1
Risk Identification Analyst	1
Risk Modelling Associate	1
Statistical Analyst	1
Statistical Scientist	1
Systems Engineer	1

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

	COS Overall		Doctoral		Masters	
	N	%	N	%	N	%
Internship/externship	7	33%	3	25%	4	44%
Career fair at NC State	5	24%	0	0%	5	56%
Campus or college career center	4	19%	1	8%	3	33%
NC State faculty member	4	19%	4	33%	0	0%
Internet: LinkedIn	4	19%	3	25%	1	11%
On-campus interviewing	3	14%	1	8%	2	22%
Co-op experience	3	14%	1	8%	2	22%
Family/friends/classmates/co-workers	3	14%	3	25%	0	0%
Consultation w/ NCSU Career Counselor/Coach	2	10%	0	0%	2	22%
Employer info session on campus	2	10%	1	8%	1	11%
Optional Practical Training (OPT)	2	10%	1	8%	1	11%
Student teaching experience	2	10%	1	8%	1	11%
Personal/professional connection(s) within the company	2	10%	2	17%	0	0%
Professional association (members, conferences, publications, etc.)	2	10%	2	17%	0	0%
Internet (Other)	2	10%	1	8%	1	11%
Career fair off campus	1	5%	0	0%	1	11%
Volunteer work	1	5%	0	0%	1	11%
Applied for job via ePACK	0	0%	0	0%	0	0%
Employer found resume on ePACK	0	0%	0	0%	0	0%
Clinical placement	0	0%	0	0%	0	0%
Staffing agency	0	0%	0	0%	0	0%
Other	3	14%	1	8%	2	22%

*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	4	67%
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	2	33%

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	4	100%

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

	N	%
North Carolina	4	100%

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

	N	%
Master's	0	0%
Doctoral	4	100%
Professional	0	0%
Other	0	0%

*Respondents could select more than one degree.

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

	N
PhD	4

Table 18: Academic Program, Master's Recipients*

	N
Ph.D. in Textile Technology Management (TTM) at the Wilson College of Textiles	1
Physics	2
phd in electrical engineer	1

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

For more information on the Graduate Future Plans Survey contact:

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