

May 2018 Graduate Future Plans Survey College of Sciences Summary Report

This report presents summary results from the May 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

- 65% of the doctoral and master's students in COS graduating in May 2018 responded to the survey
- 83% of doctoral respondents and 26% of master's respondents in COS report that they have secured full-time employment for the coming year
- COS graduates with full-time employment (excluding internships) report an average salary in the coming year of \$83,714 (median = \$82,500)
- 46% of COS graduates with full-time employment will be working in North Carolina (40% in the Research Triangle Area)
- 28% 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 NC State University

Department Summaries

The following two tables provide summary statistics for May 2018 graduates in the College of Sciences. Table 1 includes the number of graduate students in each department in the College of Sciences who graduated in May 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 provides the same summary statistics for May 2018 graduates in the College of Sciences by the type of degree program from which they graduated (i.e., doctoral or master's).

Table 1: Department Summaries

| 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 | 3 | 3 | 100% | 1 | 1 | ** | ** | ** | ** | 1 |
| Biological Sciences | 7 | 5 | 71% | 2 | 1 | ** | ** | ** | ** | 2 |
| Chemistry | 13 | 8 | 62% | 6 | . | 47,500 | 47,500 | 87,500 | 65,833 | 6 |
| Marine, Earth and Atmospheric Sciences | 7 | 4 | 57% | 2 | . | ** | ** | ** | ** | 2 |
| Mathematics | 38 | 25 | 66% | 10 | 5 | 52,500 | 72,500 | 87,500 | 72,500 | 9 |
| Physics | 9 | 5 | 56% | 2 | 2 | ** | ** | ** | ** | 2 |
| Statistics | 41 | 27 | 66% | 14 | 4 | 87,500 | 102,500 | 132,500 | 111,154 | 13 |
| COS Overall | 118 | 77 | 65% | 37 | 13 | 52,500 | 82,500 | 102,500 | 83,714 | 35 |

*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 2: Degree Summaries

| Degree | 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 |
|-------------|-------------------|--------------------|---------------|-----------------|---------------------|------------------------|---------------|------------------------|----------------|--------------------|
| Doctoral | 37 | 30 | 81% | 25 | . | 52,500 | 72,500 | 92,500 | 77,600 | 25 |
| Master's | 81 | 47 | 58% | 12 | 13 | 82,500 | 92,500 | 117,500 | 99,000 | 10 |
| COS Overall | 118 | 77 | 65% | 37 | 13 | 52,500 | 82,500 | 102,500 | 83,714 | 35 |

*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.

Full-Time Employment (college overall)

Table 3: Name of Company/Organization, Doctoral Degree Recipients

| | N |
|--------------------------------|---|
| BASF | 1 |
| Domo | 1 |
| Duke University | 2 |
| Exxon Mobil | 1 |
| Francis Marion University | 1 |
| Google | 1 |
| JMP | 1 |
| Los Alamos National Laboratory | 1 |
| MIT, NSF, Brown University | 1 |
| NASA | 1 |
| NC State University | 1 |
| Princeton University | 1 |
| SAS | 2 |
| The University of Chicago | 1 |
| US Bank | 1 |

Table 3: Name of Company/Organization, Doctoral Degree Recipients, *continued*

| | N |
|----------------------------------|---|
| US Navy | 2 |
| University of Birmingham, UK | 1 |
| University of Nebraska Lincoln | 1 |
| Virginia Commonwealth University | 1 |
| Wake Christian Academy | 1 |
| Wells Fargo | 1 |
| Yale University | 1 |

Table 4: Name of Company/Organization, Master's Degree Recipients

| | N |
|-----------------------------------|---|
| 2nd Order Solutions | 1 |
| After Inc. | 1 |
| Aurobindo Pharma | 1 |
| Corning Inc | 1 |
| Deloitte | 1 |
| First Citizens Bank | 1 |
| SAS | 1 |
| Social & Scientific Systems, Inc. | 1 |
| State of North Carolina | 1 |
| Vituity | 1 |
| iProspect | 1 |

Table 5: Location of Company (state), Doctoral Degree Recipients

| | N | % |
|----------------|---|-----|
| North Carolina | 8 | 33% |
| South Carolina | 2 | 8% |
| Virginia | 2 | 8% |
| Utah | 1 | 4% |
| Texas | 1 | 4% |
| California | 1 | 4% |
| New Mexico | 1 | 4% |
| Massachusetts | 1 | 4% |
| New Jersey | 1 | 4% |
| Illinois | 1 | 4% |
| Ohio | 1 | 4% |
| Maryland | 1 | 4% |
| Nebraska | 1 | 4% |
| Connecticut | 1 | 4% |
| Not sure | 1 | 4% |

Table 6: Location of Company (state), Master's Degree Recipients

| | N | % |
|----------------|---|-----|
| North Carolina | 8 | 73% |
| Virginia | 1 | 9% |
| Connecticut | 1 | 9% |
| Georgia | 1 | 9% |

Table 7: Region of Company (inside/outside NC Triangle), Doctoral Degree Recipients

| | N | % |
|------------|----|-----|
| Triangle | 7 | 29% |
| Other NC | 1 | 4% |
| Outside NC | 16 | 67% |

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

| | N | % |
|------------|---|-----|
| Triangle | 7 | 64% |
| Other NC | 1 | 9% |
| Outside NC | 3 | 27% |

Table 9: Job Title, Doctoral Degree Recipients

| | N |
|--|---|
| Analytical Training Consultant | 1 |
| Assistant Professor | 1 |
| Data Scientist | 2 |
| Instructor | 1 |
| Mathematics Department Chair | 1 |
| N/A | 1 |
| NSF Mathematical Sciences Postdoctoral Research Fellow | 1 |
| Postdoc Research Associate | 1 |
| Postdoctoral Associate | 2 |
| Postdoctoral Fellow | 1 |
| Postdoctoral Research Fellow | 1 |
| Postdoctoral Researcher | 1 |
| Postdoctoral Scholar | 1 |
| Postdoctoral Faculty Fellow | 1 |
| Quantitative Associate | 1 |

Table 9: Job Title, Doctoral Degree Recipients, *continued*

| | N |
|---------------------------------|---|
| Researcher | 1 |
| Research Associate | 1 |
| Research Chemist | 1 |
| Research Computer Scientist | 1 |
| Research Scientist | 1 |
| Research Statistician Developer | 1 |
| Senior Research Associate | 1 |
| Technical Writer | 1 |

Table 10: Job Title, Master's Degree Recipients

| | N |
|--------------------------------|---|
| Associate Scientist | 1 |
| Business Technology Analyst | 1 |
| Data Engineer | 1 |
| Data Scientist | 1 |
| Director, Data Science | 1 |
| Health Data Analyst | 1 |
| Programmer Analyst | 1 |
| Research Statistician | 1 |
| Risk Analyst | 1 |
| Senior Analyst / Teaching Prof | 1 |
| Statistician | 1 |

Table 11: Resources Used to Help Get/Locate Job, by Degree Received*

| | COS Overall | | Doctoral | | Master's | |
|---|-------------|-----|----------|-----|----------|-----|
| | N | % | N | % | N | % |
| Internship/externship | 8 | 22% | 6 | 24% | 2 | 17% |
| Internet: LinkedIn | 8 | 22% | 5 | 20% | 3 | 25% |
| Internet (Other) | 8 | 22% | 7 | 28% | 1 | 8% |
| Professional association (members, conferences, publications, etc.) | 7 | 19% | 6 | 24% | 1 | 8% |
| NC State faculty member | 6 | 16% | 4 | 16% | 2 | 17% |
| Campus or college career center | 5 | 14% | 2 | 8% | 3 | 25% |
| Student teaching experience | 5 | 14% | 5 | 20% | 0 | 0% |
| On-campus interviewing | 4 | 11% | 1 | 4% | 3 | 25% |
| Family/friends/classmates/co-workers | 4 | 11% | 2 | 8% | 2 | 17% |
| Consultation w/ NCSU Career Counselor/Coach | 3 | 8% | 2 | 8% | 1 | 8% |
| Applied for job via ePACK | 3 | 8% | 1 | 4% | 2 | 17% |
| Career fair at NC State | 2 | 5% | 0 | 0% | 2 | 17% |
| Career fair off campus | 2 | 5% | 2 | 8% | 0 | 0% |
| Employer info session on campus | 2 | 5% | 1 | 4% | 1 | 8% |
| Optional Practical Training (OPT) | 2 | 5% | 2 | 8% | 0 | 0% |
| Volunteer work | 2 | 5% | 1 | 4% | 1 | 8% |
| Personal/professional connection(s) within the company | 2 | 5% | 2 | 8% | 0 | 0% |
| Co-op experience | 1 | 3% | 0 | 0% | 1 | 8% |
| 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 | 0 | 0% | 0 | 0% | 0 | 0% |

*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 graduation program).

Further Education (college overall)

Table 12: Status for Further Graduate/Professional School Attendance, Master's Degree Recipients (among those planning to attend)

| | N | % |
|---|----|-----|
| Am already enrolled and pursuing the degree | 11 | 85% |
| Have been accepted and know where I'm going | . | 0% |
| Have been accepted but undecided | . | 0% |
| Have applied, but not yet been accepted | 2 | 15% |
| Have not applied but plan to do so within the next year | . | 0% |

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

| | N |
|---------------------|----|
| NC State University | 11 |

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

| | N | % |
|----------------|----|------|
| North Carolina | 11 | 100% |

Table 15: Type of Degree Pursuing, Master's Degree Recipients*

| | N | % |
|----------|----|------|
| Doctoral | 11 | 100% |

*Respondents could select more than one degree.

Table 16: Doctoral Degree Pursuing, Master's Degree Recipients

| | N |
|-----|----|
| PhD | 11 |

Table 17: Academic Program, Master's Recipients*

| | N |
|---------------------|---|
| Applied Mathematics | 1 |
| Functional Genomics | 1 |
| Mathematics | 2 |
| PhD Bioinformatics | 1 |
| Physics | 2 |
| Statistics | 3 |

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

For more information on the Graduate Future Plans Survey contact:

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