December 2016 Future Plans Survey
College of Engineering
Summary Report

This report presents summary results from the December 2016 Future Plans Survey for departments in the College of Engineering, followed by summary information on employment and further education for the college as a whole.

Department Summaries

The following table provides summary statistics for December 2016 graduates in each of the College of Engineering departments. It includes the number of students in the department who graduated in December 2016 and the number of those students who submitted the Future Plans Survey. It also includes the number of students who indicated that at the time of the survey they had already accepted a full-time position (including military and volunteer work [e.g., Peace Corps]), and the number who indicated they were either attending or planning on attending graduate or professional school in the coming year. Finally, it includes summary statistics on the self-reported salaries of those having accepted full-time employment.

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 Reported Salary
Civil, Construction, and Envir Engr	64	43	67.2%	35	2	51,250	56,250	61,250	54,458	30
Chemical Engr	14	6	42.9%	5	.	73,750	73,750	73,750	73,250	5
Computer Science	57	28	49.1%	19	2	61,250	71,250	76,250	69,191	17
Electrical & Computer Engr	79	55	69.6%	28	7	63,750	71,250	76,250	68,750	25
Fitts Dept Indust & Syst Engr	20	13	65.0%	10	1	63,750	66,250	66,250	66,500	10
Mechanical & Aerospace Engr	57	29	50.9%	19	5	63,750	66,250	71,250	67,697	19
Materials Science & Engr	6	2	33.3%	1	1	**	**	**	**	1
Nuclear Engineering	1	.	.	.	.	.	.	.	.	.
COE Overall	298	176	59.1%	117	18	58,750	63,750	71,250	64,346	107

*Includes all students planning on going to graduate/professional school in the coming year, including those 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 2: Name of Company/Organization

	N
ATI Specialty Materials	1
Albemarle Corporation	1
Allscript	1
Altec	1
Amazon	1
Armstrong Flooring	1
Atlantec Engineers	1
BP	1
Black & Veatch	1
Bohler Engineering	1
Bot3	1
Brasfield & Gorrie	1
Burns & McDonnell	1
CDM Smith	1
Capital One	2
Cassida Corporation	1
Caterpillar Inc.	1
Chick-fil-A Inc.	1
Cisco	2
Cognizant Technologies	1
ConnectWise	1
Corning Inc	1
D. H. Griffin	1

Table 2: Name of Company/Organization, *continued*

	N
DPR Construction	1
Deloitte	1
Delta Airport Consultants, Inc	1
Dewberry	1
Dollar Tree	1
Dragados USA	1
Duke Energy	3
Elster	1
Emco Wheaton Retail	1
Engineered Controls International	1
Engineered Tower Solutions	2
Extron Electronics	1
ExxonMobil	1
Federal Aviation Administration	1
Fidelity Investments	2
FlatIron	1
Freese and Nichols	1
General Electric	2
Georgia-Pacific	1
HIGHFILL Infrastructure Engineering	1
Haas & Kennedy Engineers	1
Harris Corporation	1
Hazen and Sawyer	2
Honeywell Elster	1

Table 2: Name of Company/Organization, *continued*

	N
IBM	4
ImageSoft Inc.	1
International Paper	1
Inventure Civil	1
Kadro Solutions	1
Kimley-Horn and Associates	1
Kymanox	1
LandDesign Inc.	1
McKim & Creed	1
Moen Inc.	1
NASA	1
NAVAIR	2
NCDOT	2
Nan Ya Plastic Group	1
Netsertive	1
Nissan Motor Company	1
Norfolk Southern Railway	1
Omni Cinemas	1
Optima Engineering	1
Oracle	1
Peace Corps	1
Pennoni	1
Pratt & Whitney	1
Principal Financial Group	1

Table 2: Name of Company/Organization, *continued*

	N
Proctor & Gamble	1
Proto Labs	1
RS&H	1
Red Hat	2
RoviSys	1
SAS Institute	2
Schneider Electric	2
Sensus/Xylem	1
Shaw Industries	2
Shelco LLC	1
Stantec	2
Stewart, Inc.	1
Stocks Engineering	1
SynTec Seating Solutions	1
Tesla	1
Thomas and Hutton	1
Toll Brothers	1
Tompkins International	1
US Navy	2
Ulliman Schutte	1
Vannoy Construction	1
WillowTree	1
WithersRavenel	1
iCiDIGITAL	1

Table 3: Location of Company (state)

	N	%
North Carolina	81	71.1
Georgia	7	6.1
Not sure	5	4.4
Virginia	5	4.4
Pennsylvania	3	2.6
Louisiana	2	1.8
Texas	2	1.8
California	2	1.8
Florida	1	0.9
Alabama	1	0.9
South Carolina	1	0.9
Michigan	1	0.9
Connecticut	1	0.9
Iowa	1	0.9
Tennessee	1	0.9

Table 4: Region of Company (inside/outside NC Triangle)

	N	%
Triangle	55	51.9
Outside NC	29	27.4
Other NC	22	20.8

Table 5: Job Title

	N
Application Analyst 1	1
Application Engineer - Control Systems	1
Applications Engineer	1
Assistant Engineer	2
Assistant Mechanical Engineer	1
Assistant Project Manager	1
Associate Engineer	1
Associate Member of Technical Staff	1
Associate Software Developer	2
Associate Software Engineer	2
Associate consultant	2
Associate, Monitoring & Desktop Design	1
Asst. Land Development Manager	1
Automation Developer	1
Automation Supervisor	1
Bridge Designer	1
Business Technology Analyst	1
Chemical Engineer	1
Civil Engineering Tech.	1
Controls & Automation Engineer	1
Customer Support Engineer	1
DMLS Technician	1
Designer I	1
Division Officer	1

Table 5: Job Title, *continued*

	N
Electrical Engineer	1
Electrical Engineer I	1
Electronics Engineer	1
Embedded Software Test Engineer	1
Engineer	3
Engineer 1	2
Engineer In Training	1
Engineer Intern	1
Engineering Intern	1
Enterprise Risk and Security Analyst	1
Entry Level Engineer	1
Environmental Engineer I	1
Facilities Engineer	1
Field Engineer	3
Field Supervision Engineer	1
Firmware Verification Engineer	1
Graduate Engineer	1
Industrial Engineer	2
Interior Design Engineer	1
Intern	1
Jr. Industrial Engineer	1
Junior Engineer	1
Junior Project Engineer	1
Junior Software Developer	1

Table 5: Job Title, *continued*

	N
Leadership Program	1
Management Trainee	1
Manufacturing Engineer	1
Mechanical Designer	2
Mechanical Engineer	2
New Hire Program Electrical Engineer	1
Nuclear Engineer I	1
Office Engineer 1	1
Plaza Manager/ Projectionist	1
Process Engineer	3
Protection & Control Engineer	1
Product Engineer	1
Project Engineer	5
Project Manager	1
Quality Engineer	2
REACH Engineer	1
Roadway Engineer In Training	1
SDE new grad	1
Sales Consultant	1
Sales Development Professional	1
Software Developer	2
Software Engineer	11
Software Engineer I	1
Staff Engineer	1

Table 5: Job Title, *continued*

	N
Staff Professional	1
Structures Engineer	1
Systems Engineer	2
TAC engineer	1
Test Engineer	1
Tower Engineer	1
Traffic Engineer	1
Transportation Engineering Associate	2
Water Resources and Sanitation Engineer	1

Table 6: Resources Used to Help Get/Locate Job*

	N	%
Internship/externship	66	56.4
Career fair at NC State	61	52.1
Applied for job via ePack	34	29.1
Co-op experience	31	26.5
On-campus interviewing	28	23.9
Career Development Center	24	20.5
Family/friends/classmates/co-workers	20	17.1
Personal connection(s) within the company	13	11.1
Employer found resume on ePack	11	9.4
LinkedIn	10	8.5
Consultation with NCSU Career Counselor/Coach	9	7.7
Employer info session on campus	9	7.7
Internet: Other	7	6.0

Table 6: Resources Used to Help Get/Locate Job*, *continued*

	N	%
Professional society	5	4.3
Faculty member or found job listing in an NC State dept	3	2.6
Staffing agency	3	2.6
Student teaching experience	1	0.9
Other	4	3.4

*Respondents could select more than one resource.

Further Education (college overall)

Information on graduate/professional school name, school location, and degree pursuing is collected and reported only for respondents who indicated that at the time of the survey they had been accepted to graduate/professional school and definitely knew where they would be going.

Table 7: Name of Graduate/Professional School Students will be Attending

	N
Duke University	1
NC State University	10

Table 8: Location of Graduate/Professional School Students will be Attending

	N	%
North Carolina	11	100.0

Table 9: Type of Degree*

	N	%
Master's	11	100.0

*Respondents could select more than one degree.

Table 10: Master's Degree

	N
MCS	1
ME	1
MEM	1
MS	7
MSIE	1

Table 11: Academic Program*

	N
Civil Engineering	1
Civil Engineering/ Structural	1
Computer Engineering	1
Computer Science	1
ECE	2
Electrical Engineering: Applied Electromagnetics	1
Engineering management	1
Industrial Engineering	1
MSEE	1
Mechanical Engineering	1

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

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