December 2015 Future Plans Survey
College of Engineering
Summary Report

This report presents summary results from the December 2015 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 2015 graduates in each of the College of Engineering departments. It includes the number of students in the department who graduated in December 2015 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
COE Dean's Office	1	.	.	.	.	.	.	.	.	.
Biomedical Engr	4	1	25.0%	1	.	**	**	**	**	1
Civil, Construction, and Envir Engr	54	36	66.7%	28	2	48,750	53,750	58,750	53,287	27
Chemical Engr	20	8	40.0%	8	.	66,250	66,250	68,750	62,321	7
Computer Science	70	30	42.9%	18	1	58,750	66,250	71,250	64,926	17
Electrical & Computer Engr	76	55	72.4%	33	8	63,750	66,250	71,250	68,750	30
Fitts Dept Indust & Syst Engr	31	18	58.1%	13	1	61,250	66,250	68,750	61,827	13
Mechnical & Aerospace Engr	57	35	61.4%	25	3	57,500	61,250	66,250	60,833	24
Materials Science & Engr	2	.	.	.	.	.	.	.	.	.
COE Overall	315	183	58.1%	126	15	56,250	63,750	68,750	61,817	119

**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
ABB	1
ABG	1
Accu-Tech USA	1
Air Force	1
Altec Industries	3
American Tower	1
ArchiveSocial	1
Ascom Wireless Solutions Inc.	1
B/E Aerospace	1
BMW Manufacturing	1
Baker Concrete Construction	1
Barry-Wehmiller Design Group	1
Becton Dickinson	1
Biogen	1
Black & Veatch	1
Booth & Associates	1
Bordeaux Construction Company, Inc.	1
Charah	1
Cisco	1
Corning Inc.	1
Cree	1
DSI Innovations	1
Davenport	1

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

	N
Deloitte	1
Deutsche Bank Global Technology	1
Doman Engineering	1
DuPont	1
Duke Energy	4
EG-GILERO	1
EMC	1
Eastman Chemical Company	1
Elster Solutions	2
Emirates Nuclear Energy Corporations	1
Engineered Tower Solutions	1
Engineering Tech Associates, PA	1
ExxonMobil	1
Fidelity Investments	6
Ford Motor Company	1
General Electric	1
Gilbane Building Company	1
Hazen and Sawyer	1
Hospira-Pfizer	1
Hughes Network Systems	1
IBM	3
ITNG	1
Iautomation	1
Institute of Next Generation IT Systems (ITng)	1
Intel	1

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

	N
Interactive Intelligence	1
Ipreo	1
Itron	1
John Deere	1
KB Stephens Company	1
Kimley-Horn and Associates, Inc.	1
Lee Construction of the Carolinas	1
Life Time Fitness	1
Lockheed Martin	1
MAHLE	1
MC Dean	1
MSS Solutions	1
Manhattan Associates	2
Maple Engineering, PLLC	1
Mecha, Inc	1
MetLife	1
Microsoft	1
Mulkey Engineers and Consultants	1
NAVAIR	1
NAVSEA	1
NCDOT	4
NetApp	1
Nomaco	1
Norfolk Southern	1
Novetta Solutions	1

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

	N
Novo Nordisk	1
Peace Corps	1
Pfizer	2
Phillips & Jordan, Inc.	1
Piedmont Land Design	1
Plataine Solutions	1
Progress Software	1
Prometheus	1
RE Mason Company	1
RK&K	1
RMF Engineering	1
RoviSys	1
SAS	2
SPX Transformer Solutions	1
Sandoz	1
Schneider Electric	1
Sealed Air	1
Sensus	2
Shaw Industries	1
Siemens	1
Specline Consulting, Inc.	1
Stanford Health Care	1
Stantec	2
Syngenta Inc.	1
TM Engineering INC	1

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

	N
Tower Engineering Professionals	1
Verizon	1
Willis Engineers	1
N/A	1

Table 3: Location of Company (state)

	N	%
North Carolina	93	75.0
Florida	3	2.4
Tennessee	3	2.4
Virginia	3	2.4
Georgia	3	2.4
New Jersey	2	1.6
South Carolina	2	1.6
Illinois	2	1.6
Texas	2	1.6
Maryland	2	1.6
Colorado	2	1.6
New York	1	0.8
District of Columbia	1	0.8
Massachusetts	1	0.8
Michigan	1	0.8
Iowa	1	0.8
Oregon	1	0.8
California	1	0.8

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

	N	%
Triangle	66	52.4
Outside NC	33	26.2
Other NC	27	21.4

Table 5: Job Title

	N
Analyst	1
Applications Engineer	2
Aquatics Manager	1
Assembler	1
Assistant Engineer	1
Associate Business Data Management Consultant	1
Associate Development Tester	1
Associate Electrical Engineer	1
Associate Quality Assurance Engineer	1
Associate Software Engineer	2
Bridge Engineer in Training	1
Business Systems Analyst	1
Business Technology Analyst	1
Civil Engineering Officer	1
Design Engineer	5
Engineer	1
Engineer I	1
Engineer I/Structural Engineer	1
Engineer in Training	1

Table 5: Job Title, *continued*

	N
Engineer/ Technical Professional Development Program	1
Engineering Associate	1
Engineering Development Program	1
Engineering LDP Asc	1
Engineering Technician	1
Entry Level Civil Engineer	1
Field Engineer	1
Firmware Verification Engineer	1
Ford College Graduate	1
GIS Product Engineer	1
HSES Engineer	1
IOS Mobile Developer	1
IS- Rotational Program	1
Jr. Systems Integration Engineer	1
Junior Engineer	1
Leap Associate	1
Line Engineer	1
Linking Income, Food and the Environment Volunteer	1
Management Trainee	1
Manufacturing Engineer	3
Master Scheduler	1
Manufacturing Associate	1
Mechanical Designer	2
Mechanical Engineer	1
Member of Technical Services	1

Table 5: Job Title, *continued*

	N
Motion Control Application Engineer	1
Network Consulting Engineer	1
Network Engineer	1
Nuclear Designer I	1
Operations Management Leadership Program	1
Performance Improvement Associate Consultant	1
Plant Engineer	1
Pre-Silicon Validation Engineer	1
Process Development Associate	1
Process Engineer	1
Process Engineer I	1
Process Sustaining Engineer I	1
Procurement Associate	1
Product Development Engineer	1
Product Engineer	1
Project Engineer	8
Project Field Engineer	1
Project Manager	1
Sales Engineer	1
Senior Software Validation and Test Engineer	1
Software Consultant	1
Software Developer	1
Software Engineer	13
Software Quality Assurance Engineer	1
Software Solutions Developer	1

Table 5: Job Title, *continued*

	N
Solutions Engineer	1
Specification Sales & Controls	1
Staff Engineer	1
Structural EIT	1
Structural Engineer	1
Structural Engineer I	1
Substation Engineer I	1
Supervisor	1
Support Consultant	1
Support Engineer	1
System Administrator	1
System Integration Engineer	1
Systems Engineer	1
Systems Engineer I	1
Technical Intern	1
Technical Professional Development Engineer	1
Technical Professional Development Program	1
Technician	1
Tower Engineer I	1
Traffic Engineer In Training	1
Transportation Designer	1
Transportation Engineering Assistant	1
Transportation Engineering Associate	2
Validation Engineer	1
N/A	1

Table 6: Resources Used to Help Get/Locate Job

	N	%
Career fair at NC State	60	47.6
Internship/externship	54	42.9
Applied for job via ePack	40	31.7
Career Development Center	29	23.0
Co-op experience	26	20.6
On-campus interviewing	24	19.0
Personal connection(s) within the company	21	16.7
Family/friends/classmates/co-workers	17	13.5
Employer found resume on ePack	15	11.9
Consultation with NCSU Career Counselor/Coach	10	7.9
Internet	8	6.3
Employer info session on campus	5	4.0
Faculty member or found job listing in an NC State dept	5	4.0
Professional society	4	3.2
Staffing agency	3	2.4
Student teaching experience	1	0.8
Other	14	11.1

*Respondents could select more than one resource.

Further Education (college overall)

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

	N
Georgia Tech	2
NC State University	7
VT	1

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

	N	%
North Carolina	7	70.0
Georgia	2	20.0
Virginia	1	10.0

Table 9: Type of Degree

	N	%
Master's	8	80.0
Doctoral	2	20.0

*Respondents could select more than one degree.

Table 10: Master's Degree

	N
CNE	1
ME	2
MS	4
MS EPSE	1

Table 11: Doctoral Degree

	N
PhD	2

Table 12: Academic Program*

	N
CPE	1
Civil Engineering Computing and Systems	1
Computer Network Engineering	1
Computer Science	1
ECE	1
Electric power systems engineering	1
MS Computer Engineering	1
Masters in Industrial and Systems Engineering	1
Structural Engineering and Mechanics	1
ece	1

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

For more information on the December 2015 Future Plans Survey contact:
Dr. Nancy Whelchel, Associate Director for Survey Research
Office of Institutional Research and Planning
Phone: (919) 515-4184
Email: Nancy_Whelchel@ncsu.edu