

December 2014 Future Plans Survey College of Engineering Summary Report

This report presents summary results from the December 2014 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 2014 graduates in each of the College of Engineering departments. It includes the number of students in the department who graduated in December 2014 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 accepting 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	10	6	60.0%	3	1	**	**	**	**	2
Biomedical Engr	2	1	50.0%	.	.	.	.	.	.	.
Civil, Construction, & Environmental Engr	67	53	79.1%	40	2	51,250	53,750	56,250	53,889	36
Chemical Engr	21	14	66.7%	11	2	61,250	66,250	73,750	66,250	11
Computer Science	51	28	54.9%	22	1	60,000	61,250	68,750	65,188	20
Electrical & Computer Engr	71	52	73.2%	37	7	61,250	63,750	68,750	63,464	35
Fitts Dept Indust & Syst Engr	27	19	70.4%	15	.	56,250	61,250	68,750	59,808	13
Mechanical & Aerospace Engr	60	34	56.7%	25	2	57,500	63,750	70,000	61,146	24
Nuclear Engr	4	1	25.0%	.	.	.	.	.	.	.
COE Overall	313	208	66.5%	153	15	56,250	61,250	68,750	60,683	141

**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 Inc.	2
Accenture	1
Ajax Building Corporation	1
Allscripts	1
Allstate	1
Altec Industries	1
American Buildings Company	1
American Woodmark	1
Analog Devices	1
AndyMark, Inc.	1
Anheuser-Busch	1
Ansible	1
Avery Dennison	1
Baldor Electric	1
Bank of America	1
Beabout Brock Easley	1
Beck Group	1
Brown and Caldwell	1
Burns & McDonnell	2
CB&I	1
Caterpillar	1
Celanese	2
Cisco Systems	2

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

	N
Cummins, Inc.	1
DST	1
Daimler Trucks North America	1
Danaher Corporation	1
Danaher Speciality Products	1
Deloitte	2
Device Solutions	1
Domtar Paper Company	1
Duke Energy	3
Eaton Corporation	1
EcoLab	1
ElectriCities of NC	1
Empowered Benefits	1
Espirer	1
Extron	1
F and R	1
FDH Engineering	5
FM Global	1
Fidelity Investments	5
Flanders	1
Frank L. Blum	2
GE Power and Water	1
General Motors	1
Georgia Pacific	3

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

	N
Google	1
Guide One Insurance	1
Hazen and Sawyer	1
Hill-Rom Holdings Inc.	1
Hipp Engineering & Consulting	2
Hughes Network System	1
IBM	2
IBS Paper Performance Group	1
IQ Contracting	1
IVC Inc.	1
Integro	1
Interactive Intelligence	1
International Paper	1
JE Dunn	1
James G. Davis Construction Corporation	1
Johns Hopkins University	1
Kimley-Horn and Associates	1
LKC Creative	1
LORD Corporation	1
Lawless and Mangione LLC	1
Lend Lease	2
Lockheed Martin	1
Longent LLC	1
Manhattan Associates	2

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

	N
Morgan Stanley	1
NAVSEA	1
NC Department of Transportation	1
NC State University	1
NCDOT	1
Nan Ya Plastics Corporation	1
NeoNova Network Services	1
Norfolk Navy Shipyard	1
Norfolk Southern	2
Northrop Grumman	1
Parsons Brinckerhoff	1
Peace Corps	1
Pelton and Crane	1
Phillips and Jordan	1
Piedmont Natural Gas	1
PowerSecure	1
Poythress Commercial Contractors	1
Principled Technologies	1
Prometheus Group	2
QGenda	1
RS&H	1
RTI International	1
Robert Bosch LLC	1
Rodger's Builders	1

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

	N
RoviSys	2
SAS Institute	3
SKA Consulting Engineers Inc.	1
Schneider Electric	3
Sealed Air	1
Siemens	1
Signal Integrity Software, Inc.	1
Skanska	2
Stantec Consulting and Engineering	1
TE Connectivity	1
Thomas Built Buses	1
Timmons Group	1
Tindall Corporation	1
Toshiba GCS	1
Tower Engineering Professionals	1
Track2Quit	1
Turner Construction Corp.	1
US Navy	1
Vicious Cycle Software	1
Wells Fargo Securities Technology	1

Table 3: Location of Company (state)

	N	%
North Carolina	98	65.3
Virginia	10	6.7
Georgia	9	6.0
Missouri	4	2.7
New York	4	2.7
South Carolina	4	2.7
Florida	3	2.0
California	2	1.3
Maryland	2	1.3
Indiana	1	0.7
Colorado	1	0.7
Illinois	1	0.7
West Virginia	1	0.7
Michigan	1	0.7
Iowa	1	0.7
Tennessee	1	0.7
Texas	1	0.7
Pennsylvania	1	0.7
Not sure	5	3.3

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

	N	%
Triangle	65	45.8
Outside NC	47	33.1
Other NC	30	21.1

Table 5: Job Title

	N
Analyst	1
Android Developer	1
Application Engineer	5
Applied Mechanics Engineer	1
Assistant Engineer	1
Assistant Project Engineer	1
Assistant Structural Engineer	2
Associate Development Tester	1
Associate Engineer	2
Associate RF Engineer	1
Associate Software Developer	1
Associate Software Engineer	4
Automation Engineer	1
Business Director	1
Business Technology Analyst	2
CEO & Founder, Marketing & Sales Rep	1
Civil Construction Field Engineer I	1
Civil Engineer in Training	1

Table 5: Job Title, continued

	N
Cloud Services Developer	1
Co-Founder and CTO	1
Consultant - Professional Services Organization	1
Controls Engineer	1
Creative Developer / Engineer	1
Design Engineer	2
Digital Delivery Development Program Analyst	1
Electrical Designer	1
Electrical Engineer	1
Electrical Engineer I	1
Electrical Systems Owner	1
Electronics Hardware Engineer	1
Engineer	2
Engineer I	3
Engineer II	2
Engineer Trainee	1
Engineering - Career Orientation and Development Employee	1
Engineering Intern	1
Entry Level Engineer	1
Field Engineer	5
Field Engineer I	1
Field Representative II	1
Field Structural Engineer or Project Engineer	1
Front-End Developer	1

Table 5: Job Title, continued

	N
Gameplay Programmer	1
Global Operations Leadership Development Associate	1
Group Manager	1
Hygiene Education and Water Sanitation Volunteer	1
IT Engineer	1
Industrial Engineer	1
Intern	2
Jr. Java Developer	1
Junior Materials Scientist	1
Leadership Development Program – Operations for Engineers	1
Machinist's Mate (Nuclear)	1
Management trainee	1
Manager	1
Manufacturing Development Engineer	1
Manufacturing Engineer	3
Manufacturing Process Engineer	1
Material Handling Engineer	1
Medical Systems Engineer	1
Network Engineer	1
NexGear Engineer	1
Nuclear Engineer	1
Nuclear Engineer I: Electrical Systems Analysis	1
Operations Management Leadership Program Associate	1
Outside Sales Representative	1

Table 5: Job Title, continued

	N
PSO Consultant	1
Power and Automation Leader - Engineering	1
Process Engineer	6
Process Supervisor	1
Programmer	1
Project Engineer	12
Project Engineer I	1
Project Engineer/Junior Project Manager	1
QA Engineering Asc.	1
REACH Program Engineer	1
Reliability Engineer	2
Renewable Energy Portfolio Standards Manager	1
Research Assistant	1
Senior Android Developer	1
Signal Integrity Engineer	1
Software Analyst	1
Software Consultant	1
Software Developer	6
Software Engineer	6
Staff Professional	1
Structural Engineer I	1
Subcomponent Test Engineer	1
Sustaining Engineer	1
System Applications Engineer	1

Table 5: Job Title, continued

	N
Systems Engineer	1
Systems Engineer I	1
Technical Leadership Program Candidate	1
Technology Developer and Analyst	1
Traffic Engineer	1
Transportation Engineering Associate	2
Water Resources Engineer	1
Windows System Engineer	1

Table 6: Resources Used to Help Get/Locate Job

	N	%
Career fair at NC State	78	51.0
Internship/externship	76	49.7
Applied for job via ePack	50	32.7
Campus Career Center	35	22.9
Co-op experience	35	22.9
On-campus interviewing	26	17.0
Personal connection(s) within the company	25	16.3
Employer found resume on ePack	24	15.7
Family/friends/classmates/co-workers	24	15.7
Consultation with NCSU Career Counselor/Coach	16	10.5
Internet	14	9.2
Employer info session on campus	10	6.5
Faculty member or found job listing in an NC State dept	9	5.9
Professional society	8	5.2
Staffing agency	2	1.3
Student teaching experience	1	0.7
Other	11	7.2

*Respondents could select more than one resource.

Further Education (college overall)

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

	N
Duke University	1
NC State University	9

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

	N	%
North Carolina	10	100.0

Table 9: Type of Degree

	N	%
Master's	10	100.0
Doctoral	1	10.0

*Respondents could select more than one degree.

Table 10: Master's Degree

	N
MCS	1
ME	4
MS	3
MSA	1
MSME	1

Table 11: Doctoral Degree

	N
PhD	1

Table 12: Academic Program*

	N
Analytics	1
Computer Engineering	2
ECE	1
Electrical Engineering	1
Master's of Computer Science	1
Mechanical Engineering	1
Mechanical Engineering and Materials Science	1
Mechanical Engineering; Masters	1
electrical engineering	1

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

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