

**May 2014 Future Plans Survey
College of Engineering
Summary Report**

This report presents summary results from the May 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 May 2014 graduates in each of the College of Engineering departments. It includes the number of students in the department who graduated in May 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
Biomedical Engr	36	20	55.6%	5	9	62,500	67,500	72,500	67,500	4
Civil Engr	102	63	61.8%	38	14	46,250	51,250	53,750	51,618	34
Chemical Engr	130	84	64.6%	49	14	57,500	63,750	70,000	61,591	44
Computer Science	89	58	65.2%	44	6	61,250	61,250	68,750	63,933	41
Electrical & Computer Engr	106	80	75.5%	44	19	61,250	63,750	68,750	63,688	40
COE Dean's Office	10	3	30.0%	3	.	**	**	**	**	3
Fitts Dept Industr & Syst Engr	32	22	68.8%	18	2	56,250	58,750	66,250	59,338	17
Mechanical & Aerospace Engr	167	103	61.7%	62	14	56,250	61,250	66,250	59,932	55
Materials Engr	18	14	77.8%	7	4	48,750	56,250	61,250	53,750	5
Nuclear Engr	22	14	63.6%	7	5	53,750	66,250	68,750	64,750	5
COE Overall	712	461	64.7%	277	87	56,250	61,250	66,250	60,484	248

**Departments with three or fewer respondents providing salary information have been excluded from the table.

Full-Time Employment (college overall)

Table 2: Name of Company/Organization

	N
3V Sigma	1
ABB	3
AECOM	1
AKG Thermal Systems	1
AT&T	1
ATI Industrial Automation	1
Accenture	2
Allscripts	1
American Tower	2
American Woodmark	1
Anheuser-Busch InBev	2
Appvion, Inc.	1
Archer Western Contractors	1
Avery Dennison	1
Avid Solutions	1
B/E Aerospace	1
BMW Manufacturing	1
Bandwidth	1
Baxter Healthcare	2
Bechtel Marine Propulsion Corporation	1

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

	N
Bellomy Research Inc.	1
Biogen Idec	2
Black & Veatch	2
Blackbaud	1
Bohler Engineering	1
Bordeaux Construction	1
Brasfield and Gorrie	1
Bronto Software	1
CRB Engineers	2
Campus Crusade for Christ	2
Cape Fear Engineering Inc	1
Caterpillar	3
Ciena	1
Clancy and Theys Construction	1
Corning Inc.	1
Credit Suisse	1
Cummins	1
DAK Americas	1
DENSO	2
DPT Lakewood	1
Danaher	1
Deloitte	3
Deutsche Bank	1

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

	N
Device Solutions	1
Dewberry	1
Dominion power	1
Duke Energy	8
Dunn Solutions Group	2
Dupont	1
ECS Carolinas	1
EMC Corporation	1
Eastman Chemical Company	3
Eaton Corporation	4
Ecolab	2
Elster Solutions	1
Emirates Nuclear Energy Corporation	1
Engineering Tech Associates PA	1
Environmental Air Systems Inc	1
Epic	2
Equilibar	1
Evonik	1
Extron Electronics	2
Exxon-Mobil	2
FDH	1
FM Global	1
Farragut	2

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

	N
Fidelity Investments	5
Fluor	1
GE Aviation	3
GE Energy Management	1
Gahagan and Bryant Associates	1
Geico	1
Georgia Pacific	2
Gilbarco Veeder-Root	1
GlaxoSmithKline	1
Goodyear	2
Hardesty and Hanover	1
Harris Corporation	1
Hoffmanand Hoffman	1
Hospira	1
I-Cubed	3
IBM	5
Ingersoll Rand	3
Ingredion	1
Institute for Transportation Research and Education	1
Intel Corporation	1
International Business Machines	1
International Paper	1
Interroll	1

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

	N
JE Dunn Construction Group	1
Jacobs Engineering	1
Jacobsen	1
James Hardie	1
John Deere	1
KBR	3
Kaba Ilco	1
Kadro Solutions	1
Kimberly Clark	1
Kimley-Horn and Associates	2
LORD Corporation	5
Leach Wallace & Associates	1
Leidos	1
Little	1
Longent	1
M.C. Dean	2
Machine Specialties, Inc.	1
Magnus Health	2
Mangan Biopharm	1
Manhattan Associates	2
Manhattan associates	1
MasterBrand	1
Meritor	1

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

	N
Mohu	1
NAVAIR	6
NC Department of Transportation	3
NC Department of Transportation	1
NCDOT	1
NUCOR Steel	1
Nestle Purina	1
NetApp	2
Newport News Shipbuilding	1
Norfolk Naval Shipyard	2
Novartis	1
Novo Nordisk Pharmaceutical Industries, Inc.	1
Nuclear Regulatory Commission	1
Nucor Tuscaloosa	1
Oracle	1
Paragon Application Systems	2
PeopleFluent	1
PharmaE	2
Pittsburgh Glass Works	1
PowerSecure	2
Powercosts	1
Practichem	1
Premier Inc.	2

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

	N
Procter and Gamble	1
Prometheus Group	1
RJ Reynolds	1
RMF Engineering	1
Red Hat	1
Reformed University Fellowship	1
Revlon	1
Robert E. Mason Company	1
Robins and Morton	1
Rovisys	2
SAS Institute	5
SGL Carbon	1
Saudi Aramco	1
Schneider Electric	5
Seal Engineering, Inc.	1
Sensus	2
Shaw Industries	1
Skanska	1
Software Toolbox	1
Southwood Realty	1
Stantec Consulting	1
Stewart Inc	1
SunGard K-12 Education	1

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

	N
TIAA-CREF	1
TMEIC	3
Teleflex	1
Tethis	2
Texas Instruments	1
The Boeing Company	2
The Curry Engineering Group, PLLC	1
The Summit Church	1
Tower Engineering Professionals	1
Track2Quit	1
Trane	1
UC Synergetic	1
URS	1
US Air Force	3
US Army	1
US Department of Defense	1
US Marine Corps	1
US Navy	3
Undercover Colors	1
Unifi Manufacturing	1
Universal Creative	1
VCE	1
Vanguard	1

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

	N
Ward Consulting Engineers PC	1
Whiting-Turner	1
Wood Group Mustang Engineering	1

Table 3: Location of Company (state)

	N	%
North Carolina	171	63.3
South Carolina	17	6.3
Virginia	13	4.8
Georgia	9	3.3
Tennessee	7	2.6
Pennsylvania	6	2.2
District of Columbia	5	1.9
Not sure	5	1.9
Florida	5	1.9
Texas	3	1.1
Wisconsin	3	1.1
Maryland	3	1.1
Mississippi	3	1.1
Missouri	2	0.7
Massachusetts	2	0.7
New Jersey	2	0.7
Louisiana	2	0.7

Table 3: Location of Company (state), continued

	N	%
California	2	0.7
Illinois	1	0.4
Ohio	1	0.4
Colorado	1	0.4
Oregon	1	0.4
Iowa	1	0.4
Arkansas	1	0.4
Indiana	1	0.4
Michigan	1	0.4
Alabama	1	0.4
Washington	1	0.4

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

	N	%
Triangle	111	41.9
Outside NC	98	37.0
Other NC	56	21.1

Table 5: Job Title

	N
2LT	1
92TO Pilot Trainee	1
Aerospace Engineer	2
Air Force Pilot Trainee	1
Application Developer	1
Application Engineer	1
Aseptic Production Technical Support Engineering Intern	1
Assistant Field Engineer	1
Assistant Field Manager	1
Assistant Project Manager	1
Associate Consultant	2
Associate Developer	2
Associate Engineer	3
Associate Member of Technical Staff	1
Associate Quality Assurance Engineer	1
Associate Software Developer	2
Associate Software Engineer	1
Associate Technical Consultant	1
Associate Technical Professional – Electrical	1
Associate Validation Engineer	1
Automation Systems Integrator	1

Table 5: Job Title, *continued*

	N
BI Consultant	1
Biomanufacturing Associate	1
Business Technology Analyst	3
CEO	2
CFP	1
Chemical Engineering Intern	1
Civil Engineer	5
Consultant	2
Consulting Engineer	2
Contact Engineer	1
Content Administrator	1
Control Engineer	3
Cost Engineer	1
Data Analyst	1
Design Engineer	5
Developer	2
Development Chemical Engineer	1
Development and Sustaining Engineer	1
Digital and Circuit Card Design Engineer	1
EDP Engineer	1
Electrical Engineer	4
Electronics Engineer	2
Embedded Firmware Developer	1

Table 5: Job Title, *continued*

	N
Engineer	13
Engineer Intern	1
Engineer in Training	3
Engineering Aide	1
Engineering Assistant	1
Engineering Associate	1
Engineering ELDP	1
Engineering Management Trainee	1
Engineering Sales Trainee	1
Engineering Support	1
Engineering and Operations Management Development Program	1
Ensign	2
Entry-Level Group Manager	1
Entry-Level Mechanical Engineer	1
Entry-Level RF Engineer	1
Entry-Level Reactor / Refueling Operation Engineer	1
Equipment Sales	1
Facilities Staff Project Manager	1
Field Engineer	1
Field Service Engineer	1
Financial Rep.	1
GOLD Associate	1
General Engineer	1

Table 5: Job Title, *continued*

	N
Group Manager	1
Hardware Designer Jr.	1
ITCFP - Project Management	1
Implementation Analyst	1
Instrumentation and Controls Engineer	1
Intern	2
International Campus Staff	1
Java Software Engineer	1
Jr. Design Engineer	1
Jr. Software Engineer.	1
Junior Systems Engineer	1
Leadership Development Program	1
Lean Engineer	1
Level III Engineer	1
Licensing Engineer	1
MORE Analyst	1
Machine Design Engineer	1
Maintenance Planner	1
Manufacturing Associate	2
Manufacturing Developmental Program	1
Manufacturing Engineer	4
Manufacturing Technology Designer	1
Manufacturing and Process Engineer	1

Table 5: Job Title, *continued*

	N
Mechanical Design Engineer	1
Mechanical Engineer	6
Metallurgical Engineer	2
Network Engineer	1
NexGear Engineer L1	1
Nuclear Engineer	2
Nuclear Operator	2
Operations	1
Operations Management	1
Operations Management Leadership Program-Manufacturing Engineer	1
Operations Management Trainee	1
PTS Technologist	1
Performance Partner Analyst	1
Performance and Optimization Professional	1
Pilot	1
Pilot Plant Process Development Engineer	1
Power Automations Leader	1
Power and Automation Leaders Associate	1
Primary Systems Engineer	1
Process Engineer	15
Product Development Engineer	1
Product Engineering	1
Product Quality Engineer	1

Table 5: Job Title, *continued*

	N
Production Supervisor	1
Program Analyst II	1
Project Engineer	11
Project Manager	1
Quality	1
Quality Analyst	1
Quality Engineer	1
Quality Engineering Intern	1
Quality Insurance Product Metallurgist	1
RUF Intern	1
Reliability Engineer	1
Research Assistant	2
Research Intern	1
Retrofit and Repair Engineer	1
Rotational Engineer	1
Rotational Program Associate, Power & Automation Leaders Program	1
Sales Application Engineer	1
Sales Engineer	2
Short Term International Team Member	1
Software Applications Engineer	1
Software Automation and Test Engineer	1
Software Developer	12
Software Development Consultant	1

Table 5: Job Title, *continued*

	N
Software Development Engineer	1
Software Engineer	13
Software QA	1
Structural Analysis Engineer	1
Structural Engineer	7
Summit College Staff Resident	1
Surface Warfare Officer	1
System Protection Engineer	2
Systems Engineer	4
Systems Integration Analyst	1
TEA Program Associate	1
Technical Analyst	1
Technical Associate	1
Technical Professional	1
Technical Sales	1
Technical Services Analyst	1
Technical Services Problem Solver	1
Technical and Development Training Program	1
Technology Support Egnineer	1
Traffic Engineer in Training	1
Transportation Engineering Associate	1
Web Experience Management Consultant	1
World Wide Test Engineer	1

Table 6: Resources Used to Help Get/Locate Job

	N	%
Career fair at NC State	138	49.8
Internship/externship	119	43.0
Applied for job via ePack	96	34.7
On-campus interviewing	73	26.4
Campus Career Center	70	25.3
Employer found resume on ePack	58	20.9
Co-op experience	48	17.3
Family/friends/classmates/co-workers	43	15.5
Personal connection(s) within the company	41	14.8
Consultation with NCSU Career Counselor/Coach	21	7.6
Employer info session on campus	21	7.6
Professional society	20	7.2
Other	16	5.8
Internet	14	5.1
Faculty member or found job listing in an NC State dept	12	4.3
Staffing agency	8	2.9
Career fair off campus	2	0.7
Student teaching experience	2	0.7

Note: Respondents could select more than one resource.

Further Education (college overall)

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

	N
Appalachian State University	1
Carnegie Mellon University	2
Clemson University	1
Columbia University	1
Duke University	3
Georgia Institute of Technology	2
Iowa State University	2
NC State University	41
Purdue University	3
Southeastern Baptist Theological Seminary	1
Stanford University	2
Texas A&M	2
UC Santa Barbara	1
UNC Chapel Hill	3
UNC Charlotte	1
University of California - Davis	2
University of Chicago	1
University of Colorado Boulder	1
University of Florida	1
University of Michigan	1

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

	N
University of South Carolina	2
University of Tennessee-Knoxville	1
University of Virginia	2
University of Washington	3

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

	N	%
North Carolina	50	62.5
California	5	6.3
South Carolina	3	3.8
Indiana	3	3.8
Washington	3	3.8
Pennsylvania	2	2.5
Georgia	2	2.5
Iowa	2	2.5
Texas	2	2.5
Virginia	2	2.5
New York	1	1.3
Illinois	1	1.3
Colorado	1	1.3
Florida	1	1.3
Michigan	1	1.3
Tennessee	1	1.3

Table 9: Type of Degree*

	N	%
Master's	59	73.8
Doctoral	23	28.8
Professional	5	6.3

*Respondents could select more than one degree.

Table 10: Master's Degree

	N
MArch	1
MCRP	7
MDiv	1
ME	9
MFA	1
MPH	2
MS	28
MSEE	1
MSME	4
MSR	1

Table 11: Doctoral Degree

	N
PhD	23

Table 12: Professional Degree

	N
JD	1
MD	4

Table 13: Academic Program*

	N
Aeronautics/Astronautics	1
Aerospace Engineering	1
Biomedical Engineering	6
Chemical Engineering	5
Chemical and Biomolecular Engineering	1
Chemical engineering Ph.D	1
Civil Engineering	4
Civil Engineering (Transportation Systems)	1
Civil engineering	1
College of Medicine	1
Computer Engineering	3
Computer Science and Engineering	1
Digital Production Arts (MFA)	1
Doctor of Medicine (MD)	1
ECE	1
Electrical Engineering	8
Electrical Engineering - ASIC Design	1

Table 13: Academic Program*, continued

	N
Electrical and Computer Engineering	1
Electrical engineering	1
Environment Management	1
Environmental Engineering	1
Food Science	2
Industrial and Systems Engineering-Direct Track PhD	1
Law	1
M.D	1
M.S. Civil Engineering - Structural Engineering and Mechanics	1
MS Chemical engineering	1
MS Computer Engineering	1
MS in Civil Engineering	1
Master of Analytics	1
Master of Architecture	1
Masters of Divinity	1
Masters with thesis	1
Masters/Electrical Engineering	1
Material Science and Engineering	1
Materials Engineering	1
Mechanical Engineering	4
Mechanical engineering	2
Molecular Engineering	1
Nuclear Engineering	3

Table 13: Academic Program*, *continued*

	N
Ph.D. Computer Science	1
PhD in Computer Science	1
Phd Mechanical Engineering	1
Robotics	1
Summer 2014	1
Sustainable Construction and Design	1
UNC School of Medicine MD/MPH Program	1
chemical engineering	1
civil engineering	1
ece	1
electrical engineering	1
mechanical engineering	1

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

For more information on the May 2014 Future Plans Survey contact:
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