

**May 2013 Future Plans Survey  
College of Engineering  
Summary Report**

This report presents summary results from the May 2013 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 2013 graduates in each of the College of Engineering departments. It includes the number of students in the department who graduated in May 2013 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**

	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	43	27	62.8%	6	13	\$56,250	\$61,250	\$61,250	\$60,833	6
Civil Engr	101	69	68.3%	35	15	\$46,250	\$48,750	\$51,250	\$50,492	33
Chemical Engr	112	87	77.7%	56	16	\$61,250	\$63,750	\$71,250	\$67,616	54
Computer Science	92	52	56.5%	38	6	\$51,250	\$61,250	\$68,750	\$59,393	35
Electrical & Computer Engr	101	50	49.5%	28	12	\$61,250	\$66,250	\$71,250	\$66,161	28
COE Dean's Office	8	2	25.0%	1	1	\$51,250	**	**	**	1
Fitts Dept Indust & Syst Engr	23	16	69.6%	9	5	\$50,000	\$57,500	\$65,000	\$54,688	8
Mechanical & Aerospace Engr	154	85	55.2%	47	18	\$51,250	\$58,750	\$61,250	\$55,511	44
Materials Engr	18	8	44.4%	3	3	\$61,250	**	**	**	3
Nuclear Engr	31	19	61.3%	7	10	\$41,250	\$56,250	\$58,750	\$49,821	7
COE Overall	683	415	60.8%	230	99	\$51,250	\$61,250	\$66,250	\$59,726	219

\*\*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
ABB	1
AT&T	1
Albemarle Corporation	3
Alley, Williams, Carmen, & King	1
Altec Industries	1
American Process	1
Anheuser-Busch	1
Applied Research Associates	1
Atlas Lighting	1
Atrium Staffing for Biogen Idec	1
B/E Aerospace	1
BMW Manufacturing Inc.	1
Baker Roofing	1
Bandwidth.com	1
Biogen Idec	1
Black & Veatch	1
Blackbaud	1
Boeing	1
Brasfield and Gorrie General Contractors	1
Burns & McDonnell	1
Butler Manufacturing	1

	N
CDM Smith	1
CRB Consulting Engineers	2
Capitol Financial Solutions	1
Carmax	1
Carpenter	1
Caterpillar	1
Celanese	1
ChannelAdvisor	1
Cisco Systems	11
Coherent Technical Services	1
Commissioning Agents Incorporated	1
Crenshaw Consulting Engineers	1
Cummins	1
Deloitte	1
Domtar	2
Doosan Infracore Portable Power	1
Duke Energy	2
EMC Corporation	1
Eastman Chemical Company	2
Eaton Corporation	1
Electrolux	1
Engineered Controls Intl.	1
Engineered Tower Solutions	1

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

	N
Engineering Consulting Services	1
Ernst & Young	1
ExxonMobil	6
Fidelity Investments	3
Fineline Prototyping	1
Fluor Corporation	1
Fuel Tech	1
Fujifilm Diosynth Biotechnologies	1
General Electric	4
GlaxoSmithKline	1
Global Value Commerce	1
Goodyear Tire and Rubber Company	1
Google Inc.	1
HDR Inc.	1
HM Kern Corporation	1
HNTB	1
Halliburton	1
Hayward Pool Products	1
Hazen & Sawyer	1
Hospira	12
IBM	6
International Paper	1
John Deere	1

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

	N
Johns Hopkins Applied Physics Laboratory	1
Kadro Solutions	1
Kimley-Horn and Associates	2
Kinemax Engineering PLLC	1
Lenovo	2
Louis Berger Group, Inc.	1
MC Dean	2
Manhattan Associates	2
McKesson	1
McKim & Creed	2
Merck	2
Michael Osteen, P.E.	1
Mid-Atlantic Crane	1
Milliken & Company	1
NAVAIR	2
NC Department of Public Safety	1
NCDOT	4
NetApp	3
Newell Rubbermaid	1
Newport News Shipbuilding	4
Norfolk Southern	2
Novo Nordisk Pharmaceuticals, Inc.	1
Nucor	1

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

	N
O'Brien and Gere	1
OSIsoft	1
Offline Media	1
PCL Industrial Construction Co.	2
Palziv NA	1
Parker	1
Pavco	1
PhishLabs	1
PointSource	1
Polly's Construction	1
PotashCorp - Aurora	1
Praxair	1
Principal Financial Group	1
Procter & Gamble	1
Prometheus Group	2
Provantage Corporate Solutions	1
Qualcomm	2
RF Micro Devices	1
RKK	1
RTI International	1
Ramey Kemp & Associates	1
ReverbNation	1
Rovisys	2

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

	N
Royall & Company	1
S&ME	1
SAS Institute	3
SCS Engineers	1
SPX Corporation	1
Sabra, Wang & Associates	1
Sageworks	1
Schneider Electric	2
Self-employed	1
Sensus	1
Shaw Industries	1
Shelco, Inc.	1
Shoeboxed	1
ShurTape	1
Stewart, Inc.	1
Syngenta	1
TE Connectivity	2
Tec Tran Brake Corporation	1
Tekelec	2
Tempest Telecom Solutions	1
The Linde Group	1
The Open Sky Group	1
The Rovisys Company	1



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

	N
Tower Engineering Professionals	1
Trinity Consultants	1
Triumph Actuation Systems	1
US Air Force	6
US Marine Corps	1
US Navy	4
Unifi	1
United Therapeutics	1
Weil McLain	2
Zachry Construction	1

**Table 3: Location of Company (state)**

	N	%
North Carolina	144	64.0
Virginia	14	6.2
Texas	12	5.3
South Carolina	10	4.4
Georgia	6	2.7
Not sure	6	2.7
Tennessee	4	1.8
Pennsylvania	3	1.3
Maryland	3	1.3
New York	3	1.3

**Table 3: Location of Company (state), *continued***

	N	%
Iowa	3	1.3
Louisiana	2	0.9
California	2	0.9
Ohio	2	0.9
Wisconsin	1	0.4
Missouri	1	0.4
Indiana	1	0.4
District of Columbia	1	0.4
Illinois	1	0.4
Nevada	1	0.4
West Virginia	1	0.4
Oklahoma	1	0.4
New Jersey	1	0.4
Arkansas	1	0.4
Florida	1	0.4

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

	N	%
Triangle	88	40.6
Outside NC	76	35.0
Other NC	53	24.4

**Table 5: Job Title**

	N
Aerospace Engineer	1
Analytical Engineer	1
Assistant Engineer	1
Assistant Field Engineer	1
Assistant Mechanical Engineer	1
Assistant Resident Engineer	1
Associate Application Developer	1
Associate Consultant	1
Associate Engineer	2
Associate Operations Engineer	1
Associate Process Engineer	2
Associate Scientist	1
Associate Software Developer	1
Biopharmaceutical Associate	1
Brewery Group Manager	1
Business Analyst	1
Business Technology Analyst	1
Chemical Engineer	3
Civil Engineer	1
Civil Engineering Officer	1
Co-found/C.E.O.	1
Combat Systems Officer	1
Combat Systems Officer Student	1

**Table 5: Job Title, *continued***

	N
Compounder	1
Computer Engineer	1
Construction Manager	1
Consultant	2
Contact Engineering	1
Customer Support Engineer	4
DAS RF Engineer	1
Database Administrator	1
Design Engineer	3
Designer	1
Developer	1
Digital HW Engineer	1
Division Officer	1
Dyed R&D Engineer	1
EEDP program	1
Electrical Engineer	1
Electronics Technician	1
Engineer	7
Engineer in Training	4
Engineering Assistant	1
Engineering Associate Specialist	1
Engineering Development Program Engineer	2
Engineering Intern	1

**Table 5: Job Title, *continued***

	N
Engineering and Operations Management Associate	1
Ensign	3
Entry Level Engineer	2
Field Engineer	3
Field Service Engineer	1
Financial Advisor	1
Firmware Developer	1
Health Economist	1
Hospira TPDP	1
IT Engineer	1
IT Engineering I	1
Information Systems Engineer	1
Information Technology Career Foundation Program	1
Integration Specialist	1
Intern	1
Junior Engineer	2
Junior Rail Engineer	1
Junior Software Developer	1
Leadership and Technical Orientation Program	1
Management Trainee	1
Manager	1
Manufacturing Engineer	2
Manufacturing Science & Technology Engineer	1

**Table 5: Job Title, *continued***

	N
Marketing and Innovation Development	1
Mechanical Design Engineer	1
Mechanical Designer	2
Mechanical Development	1
Mechanical Engineer	5
Mechanical Engineer 1 - Pipe Stress and Support Design	1
Mechanical Engineer in 4.4.2.5 Engine Control/Propeller Systems	1
Metallurgist	1
Mobile App Developer	1
Mobile Software Engineer	1
Model Finisher	1
Network Consulting Engineer	1
Nuclear Engineer	1
Nuclear Systems Test Engineer	1
Operation Leadership Management Program	1
Operations Management Leadership Program Associate	1
Operations Management Trainee	1
Operations Rotational Engineer	1
Pilot	1
Pilot Candidate	2
Platoon Commander	1
Polymer Engineer	1
Power and Automation Leaders Rotational Engineer	1

**Table 5: Job Title, *continued***

	N
Process Engineer	9
Process Improvement Engineer	3
Process Support Engineer	1
Process Technology Engineer	1
Production/Process Engineer	1
Project Engineer	1
Project Management Coordinator/Validation Engineer	1
Project Manager/Estimator	1
QA Engineer	1
Quality Assurance Analyst	1
Quality Assurance Engineer	1
Quality Engineer	2
Radio Area Network Engineer	1
Reach Engineer	1
RedPrairie Developer	1
Roadway Design Intern	1
Sales application engineer	1
Server Product Engineer	1
Software Consultant	1
Software Developer	7
Software Engineer	14
Sperry Drilling Field Engineer	1
Staff Engineer	2

**Table 5: Job Title, *continued***

	N
Staff Facilities Project Manager	1
Staffing for attrition for environmental department	1
Submittal Coordinator/Project Management	1
Summer Intern	1
Supply Chain Management	1
System Administrator / Software Developer	1
Systems Engineer	5
Technical Professional Development Program	10
Technical Resources Engineer	1
Technical Writer	1
Technology Advisory Program	1
Technology Resources Engineer	1
Telecommunications Design Engineer	1
Test Engineer	3
Test and Automation Engineer	1
Threat Analyst I	1
Track Supervisor	1
Transportation Associate	1
Transportation Engineer	1
Transportation Engineering Associate	3
Transportation Planner	1
Transportation Technician	1
Web App Developer	1



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

	N	%
Career fair at NC State	111	48.5
Internship/externship	89	38.9
On-campus interviewing	73	31.9
Applied for job via ePack	68	29.7
Campus Career Center	61	26.6
Co-op experience	49	21.4
Personal connection(s) within the company	43	18.8
Employer found resume on ePack	35	15.3
Family/friends/classmates/co-workers	35	15.3
Employer info session on campus	27	11.8
Faculty member or found job listing in an NC State dept	16	7.0
Internet	15	6.6
Professional society	14	6.1
Consultation with NCSU Career Counselor/Coach	11	4.8
Staffing agency	2	0.9
Career fair off campus	1	0.4
Other	12	5.2

Note: Respondents could select more than one response option

## Further Education (college overall)

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

	N
Ben Gurion University of the Negev	1
Caltech	1
Carnegie Mellon University	1
Cornell University	2
Duke University	3
East Carolina University	2
Georgia Institute of Technology	3
Imperial College London	1
Massachusetts Institute of Technology	1
Meredith College	1
NC State University	38
Notre Dame	1
Princeton University	1
Stanford University	3
The Ohio State University	1
UNC Chapel Hill	1
University of California Berkeley	2
University of California Davis	1
University of California Santa Barbara	1
University of Colorado	1
University of Delaware	2

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

	N
University of Florida	2
University of Michigan	1
University of Pittsburgh	1
University of Southern California	1
University of Tennessee Knoxville	3
University of Texas Austin	1
University of Virginia	1
Villanova University	1
Virginia Tech	1

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

	N	%
North Carolina	45	56.3
California	9	11.3
Pennsylvania	3	3.8
Georgia	3	3.8
Tennessee	3	3.8
Outside United States	2	2.5
New York	2	2.5
Delaware	2	2.5
Florida	2	2.5
Virginia	2	2.5
Massachusetts	1	1.3
Indiana	1	1.3
New Jersey	1	1.3
Ohio	1	1.3
Colorado	1	1.3
Michigan	1	1.3
Texas	1	1.3

**Table 9: Type of Degree\***

	N	%
Master's	53	66.3
Doctoral	30	37.5
Professional	4	5.0

\*Respondents could select more than one degree.

**Table 10: Master's Degree**

	N
MBA	1
MCRP	1
MCS	1
ME	7
MIE	1
MNE	2
MS	33
MSAE	1
MSCE	3
MSEE	2
MSPE	1

**Table 11: Doctoral Degree**

	N
PhD	29

**Table 12: Professional Degree**

	N
DDS	1
JD	1
MD	2

**Table 13: Academic Program\***

	N
Aeronautics	1
Aerospace Engineering	3
Astronomical Engineering	1
Biomedical Engineering	2
Chemical Engineering	6
Chemical Engineering PhD	1
City and Regional Planning	1
Civil Engineering	2
Civil Engineering - Structural Engineering	1
Civil Engineering - Water Resources Concentration	1
Civil Engineering/Structural Engineering and Mechanics	1
Computer Engineering	5

**Table 13: Academic Program\*, continued**

	N
Computer Science	1
ECE Master's of Networking	1
Electric Power Systems Engineering	1
Electrical Engineering	4
Electrical Engineering with a concentration in digital signal and image processing	1
Environmental Engineering	2
ISE	1
Industrial Engineering	1
Industrial and Systems Engineering	1
Law	1
MBA Program	1
MS in Computer Science	1
MSc Electrical Engineering	1
Marine Science	1
Master in Bioengineering	1
Master of Analytics	1
Master of Biomedical Innovation and Development	1
Master of Computer Science (Non-Thesis)	1
Master of Engineering (Chemical)	1
Master's in Nuclear Engineering - Plasma Physics and Fusion	1
Masters of Science in Water Resources and Environmental Engineering	1
Materials Science and Engineering	4
Mechanical Engineering	4

**Table 13: Academic Program\*, *continued***

	N
Mechanical and Aerospace Engineering	1
Mechanical engineering, mechatronics	1
Medical Doctor	1
Medical Physics	1
Medical School	1
Nuclear Engineering	7
PhD Program: Mechanical Engineering	1
PhD in Computer Science	1
Pre-Health Post-Baccalaureate Program	1
Radiological Engineering	1
School of Dental Medicine	1
Statistics	1
aerospace engineering	1
chemical engineering	1
electrical engineering	1
ms - electric power systems engineering	1

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

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