

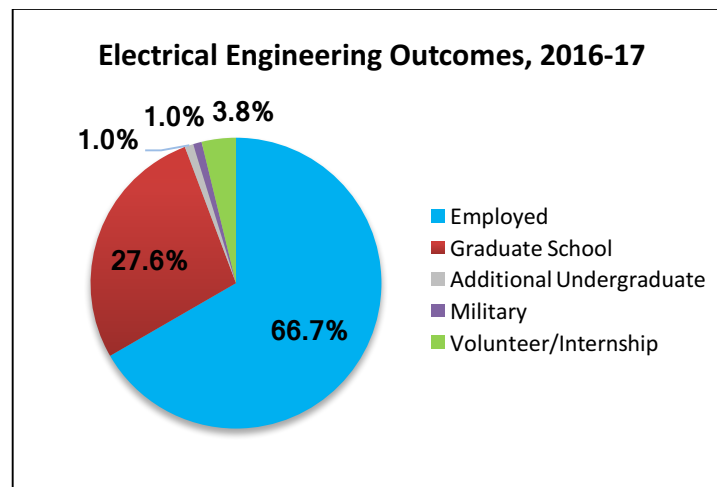
# Electrical Engineering Career Outcomes, 2016-17

(Includes Summer 2016, Fall 2016 and Spring 2017 graduates)

## Outcomes Summary:

Major	# Responded	Employed	Graduate School	Additional Undergraduate	Military	Volunteer or Internship	Seeking Employment	Travel or Family Obligations	Unsure of Plans	Career Outcomes Rate
Electrical Engineering	105	66.7%	27.6%	1.0%	1.0%	3.8%	0.0%	0.0%	0.0%	100.0%

(CSE Career Outcomes Rate: 94.7%)



## Knowledge Rate:

# Responded	# Degrees Conferred	Knowledge Rate
105	114	92.1%

(CSE Knowledge Rate: 86.74%)

## Starting Salary:

# Responded	Mean	Median	Low	High
48	\$64,406	\$65,000	\$43,000	\$75,000

(CSE Average Starting Salary: \$64,106)

### Sign-on Bonus: (If applicable)

# Responded	Mean	Median	Low	High
13	\$4948	\$5000	\$2000	\$10,000

### Experiences Outside of the Classroom:

	# Responded	%
Research outside the classroom	23	19.0%
Internship (for academic credit)	3	2.5%
Internship (not for credit)	69	57.0%
Co-op	13	10.7%
None of the above	13	10.7%
Total Responses	121	

### Number of Internships Completed:

	# Responded	%
1	25	37.9%
2	31	47.0%
3	9	13.6%
4 or more	1	1.5%
Total	66	100.0%

### Employment Offer as a Result of Internship Experience:

	# Responded	%
Yes	35	50.7%
No	34	49.3%
Total	69	100.0%

### Employment Offer as a Result of Co-op Experience:

	# Responded	%
Yes	4	30.8%
No	9	69.2%
Total	13	100.0%

### Internship and Co-op Pay:

	# Responded	Average	Min	Max
All Internships	64	\$19.25	\$0.00	\$30.00
Paid Internships	63	\$20.00	\$10.00	\$30.00
All Co-ops	12	\$19.45	\$16.50	\$24.36

### Number of Employment Offers:

	# Responded	%
1	28	53.8%
2	16	30.8%
3	6	11.5%
4	1	1.9%
5 or more	1	1.9%
Total	52	100.0%

### Length of Job Search:

	# Responded	%
Less than 1 month	11	23.4%
1 to 2 months	17	36.2%
3 to 4 months	10	21.3%
5 to 6 months	4	8.5%
7 to 8 months	2	4.3%
9 to 10 months	2	4.3%
11 to 12 months	0	0.0%
More than 12 months	1	2.1%
Total	47	100.0%

### Position Relatedness to Undergraduate Field of Study:

	# Responded	%
Closely related	38	70.4%
Somewhat related	15	27.8%
Not related	1	1.9%
Total	54	100.0%

### Employment Satisfaction Level:

	# Responded	%
Very Satisfied	30	55.6%
Satisfied	18	33.3%
Somewhat Satisfied	5	9.3%
Somewhat Dissatisfied	1	1.9%
Dissatisfied	0	0.0%
Very Dissatisfied	0	0.0%
Total	54	100%

## Company and Position Titles:

Company	Position Title	Location
Abbott	Security Analyst	MN
ACIST Medical Systems	Systems Test Engineer 1	Eden Prairie, MN
ACS Motion Control	Application Engineer	Bloomington, MN
Advanced Process Technologies	Controls Engineer	Cokato, MN
Artesyn Embedded Technologies	Test Engineer	Eden Prairie, MN
Banner Engineering	Associate Design Engineer - Electrical	Minneapolis, MN
Banner Engineering	Associate Electrical Design Engineer	Plymouth, MN
Baxter Healthcare	Software Engineer R&D	Brooklyn Park, MN
Benson Medical Instruments	Electrical Engineer	Minneapolis, MN
Boston Scientific	Manufacturing Engineer 1	Arden Hills, MN
Boston Scientific Corporation	Electrical Engineer I	Arden Hills, MN
Cain Thomas Association	Electrical engineer	White Bear Lake, MN
Centurylink	Associate Engineer	St Paul, MN
Consulting Engineers Group	Project Engineer	Farmington, MN
Daikin	Development Engineer	Plymouth MN
Daikin Applied	Applications Engineer	Plymouth, MN
Delkor Systems, Inc.	Electrical Engineer	St. Paul, MN
Delos Living LLC	Research Analyst	Rochester, MN
Ecolab	Engineer	Eagan, MN
Emanuelson-Podas, Inc.	Electrical Engineer	Edina, MN
Emerson	Electrical Design Engineer	Shakopee, MN
Federal Authority for Nuclear Regulation	Developer Engineer	United Arab Emirates
Ford Motor Company	Software Engineer	Dearborn, MI
Georgia-Pacific	Electrical Engineer	Green Bay, WI
Google X	Hardware Engineer	Mountain View, CA
Honeywell	Test Engineer	MN
Honeywell Aerospace	Hardware Engineer	Golden Valley, MN
IBM	Software Engineer	Rochester, MN
IBM	IO Analog Circuit Design	Rochester, MN
KEB America	Electronic Test and Validation Engineer	Shakopee, MN
Kohler Ronan	Entry Level Electrical Engineer	New York, NY
LasX Industries Inc.	Software Applications Engineer I	White Bear Lake, MN
Mechatronic Solutions	Controls Engineer	Maple Grove, MN
Medtronic	Software Engineer	MSP, MN
Medtronic	Associate IC-Design Engineer	Mounds View, MN
Midcontinent Independent System Operator	EMS Model Engineer	Eagan, MN
Minneapolis VA Healthcare System	Biomedical Research Assistant	Minneapolis, MN
Minnesota National Guard	UAS Maintainer	Minneapolis, MN
Minnetronix	Electrical Engineer 1	St. Paul, MN
MISO	Reliability Engineer I	Eagan, MN
MISO	Resource Adequacy Coordination Engineer 1	Eagan, MN

New Wave Design and Verification	Associate Engineer	Twin Cites, MN
NimbeLink	Software Engineer	Plymouth, MN
NimbeLink	Software Engineer	Plymouth, MN
Open Systems International	Project Engineer	Medina, MN
Open Systems International	Solutions Engineer	Medina, MN
Open Systems International	Project Engineer	Medina, MN
Open Systems International	Project Engineer	Medina, MN
Open Systems International	Project Engineer	Medina, MN
Open Systems International	Project Engineer	Minnesota
Otter Tail Power Company	Transmission & Distribution Studies Engineer	Fergus Falls, MN
Polar Semiconductor	Failure Analysis Engineer	Bloomington, MN
POWER Engineers, Inc.	Engineer I	Portland, OR
Savigent Software	Electrical Component Engineer	Bloomington, MN
Seagate Technologies	Signal Integrity Engineer	Shakopee, MN
SICK, Inc.	Product Development Engineer	Bloomington, MN
Starkey Hearing Technologies	RF Design Engineer	Eden Prairie, MN
Texas Instruments	Technical Sales	San Francisco, CA
The Navigators	EDGE Corps	Minneapolis, MN
TKDA	Graduate engineer	Saint Paul, MN
Unisys	Software Engineer	Roseville, MN
UnitedHealth Group/Optum	Technology Development Program Associate	Eden Prairie, MN
UTC Aerospace Systems	Electrical Engineer	Burnsville, MN
UTC Aerospace Systems	Aerospace/Mechanical Engineer	Burnsville, MN
Wunderlich-Malech Engineering	Controls Engineer	Eden Prairie, MN
Xcel Energy	Outage Coordinator Engineer	Minneapolis, MN
Xcel Energy	Wind Farm Engineer	Dexter, MN
Xcel Energy	Electrical Engineer	Minneapolis, MN

## Graduate School Information:

### Program Type:

Type of Degree	# Responded	%
Further Undergraduate Coursework	0	0.0%
Second Bachelor's degree	1	3.3%
Masters in a technical field	26	86.7%
Masters in non-technical field	0	0.0%
PhD program	3	10.0%
Doctoral Health degree (e.g. M.D., D.D.S, PharmD, D.V.M.)	0	0.0%
Law degree (LL.B. or J.D.)	0	0.0%
Total	30	100.0%

### University and Program Information:

University	Program	Program Type
Cornell University	Aerospace Engineering	PhD program
University of California San Diego	Electrical and Electronics Engineering	Masters in a technical field
University of California, Los Angeles	Electrical Engineering	Masters in a technical field
University of Michigan, Ann Arbor	Electrical and Computer Engineering	Masters in a technical field
University of Minnesota	EE 5-year combined program	Masters in a technical field
University of Minnesota	Electrical Engineering	Masters in a technical field
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University of Minnesota	Electrical Engineering	Masters in a technical field
University of Minnesota	Electrical Engineering	Masters in a technical field
University of Minnesota	Electrical Engineering	PhD program
University of Minnesota	Mathematics	Second Bachelor's degree
University of North Carolina at Charlotte	Optical Science and Engineering	PhD program
University of Pennsylvania	Electrical Engineering	Masters in a technical field