

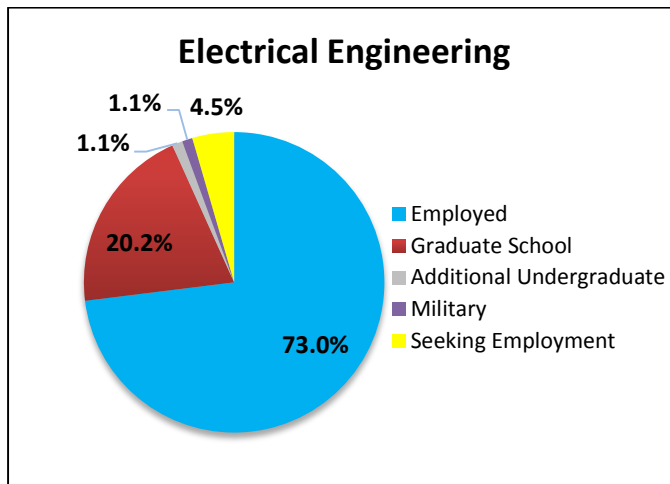
## Electrical Engineering Career Outcomes, 2017-18

(Includes Summer 2017, Fall 2017 and Spring 2018 graduates)

### Outcomes Summary

Major	# Responded	Employed	Graduate/Prof. School	Additional Undergraduate	Military	Internship	Volunteer	Seeking Employment	Seeking Further Education (Gap Year)	Travel	Unsure of Plans	Career Outcomes Rate
Electrical Engineering	89	73.0%	20.2%	1.1%	1.1%	0.0%	0.0%	4.5%	0.0%	0.0%	0.0%	95.5%

(CSE Career Outcomes Rate: 94.1%)



### Knowledge rate

# Responded	# Degrees Conferred	Knowledge Rate
89	101	88.1%

(CSE Knowledge Rate: 87.25%)

### Starting Salary

# Responded	Mean	Median	Low	High
43	\$67,053	\$65,000	\$31,824	\$85,000

(CSE Average Starting Salary: \$65,210)

## Sign-on bonus

	# Responded	%
Yes	15	30.6%
No	34	69.4%
Total	49	100.0%

## If student received sign-on bonus

# Responded	Mean	Median	Low	High
13	\$6,050	\$6,000	\$1,000	\$13,000

## Experiences outside of the classroom

	# Responded	%
Research outside the classroom	21	25.9%
Internship (either for credit or no credit)	54	66.7%
Co-op	11	13.6%
Student group(s)	48	59.3%
International experience	11	13.6%
On-campus student employment	35	43.2%
Off-campus employment	26	32.1%
None of the above	6	7.4%
Total Responses	81	

## Number of internships completed

	# Responded	%
1	25	50.0%
2	16	32.0%
3	8	16.0%
4 or more	1	2.0%
Total	50	100%

## Full-time employment offer from internship organization

	# Responded	%
Yes	22	40.7%
No	32	59.3%
Total	54	100%

## Full-time employment offer from co-op organization

	# Responded	%
Yes	5	45.5%
No	6	54.5%
Total	11	100%

## Internship pay

	# Responded	Average	Min	Max
All Internships	83	\$19.93	\$0.00	\$28.40
Paid Internships	82	\$20.17	\$13.95	\$28.40

## Type of research

	# Responded	%
UROP	6	30.0%
On-campus research lab	16	80.0%
Off-campus research	2	10.0%
Other	0	0.0%
Total	20	

## Number of employment offers

	# Responded	%
1	30	62.5%
2	11	22.9%
3	5	10.4%
4	1	2.1%
5 or more	1	2.1%
Total	48	100%

## Length of job search

	# Responded	%
Less than 1 month	15	30.6%
1 to 2 months	15	30.6%
3 to 4 months	11	22.4%
5 to 6 months	3	6.1%
7 to 8 months	3	6.1%
9 to 10 months	1	2.0%
11 to 12 months	1	2.0%
More than 12 months	0	0.0%
Total	49	100%

## Position relatedness to undergraduate field of study

	# Responded	%
Closely related	38	76.0%
Somewhat related	12	24.0%
Not related	0	0.0%
Total	50	100%

## Employment satisfaction level

	# Responded	%
Very Satisfied	30	60.0%
Satisfied	13	26.0%
Somewhat Satisfied	6	12.0%
Somewhat Dissatisfied	1	2.0%
Dissatisfied	0	0.0%
Very Dissatisfied	0	0.0%
Total	50	100%

## Company and position titles

Employer/Company Name:	Position Title:	City:	State:	Employer Country:
3M	Advanced Research Engineer	Maplewood	Minnesota	
3M	Machine Vision Application Engineer	Maplewood	Minnesota	
3M	Research & Development Engineer	Maplewood	Minnesota	
3M	Machine Vision Engineer	Maplewood	Minnesota	
Abbott	Software Verification Engineer	Minneapolis	Minnesota	
Aerotek	Electrical Engineering Contractor	Minneapolis	Minnesota	
Apadana Energy	Electrical Engineer	Golden Valley	Minnesota	
Apadana/US Luminaire	Design Engineer	Golden Valley	Minnesota	
Applied Materials	Technical Product Support Engineer	San Jose	California	
Auto Company	Circuit Engineer		Oregon	
Banner Engineering	Associate Electrical Design Engineer	Minneapolis	Minnesota	
Banner Engineering	Associate Electrical Design Engineer	Minneapolis	Minnesota	
Black & Veatch	Electrical Engineer I	Bloomington	Minnesota	
Black & Veatch	Power Transmission, Distribution, and Substation Design Engineer	Bloomington	Minnesota	
Black & Veatch	Electrical Engineer 1	Denver	Colorado	
Bosch	Engineer	Minneapolis	Minnesota	
Boston Scientific	Supplier Quality Engineer	Arden Hills	Minnesota	
Curtiss-Wright Controls Inc.	Manufacturing Engineer	Minneapolis	Minnesota	
Digi International	RF Hardware Engineer	Minnetonka	Minnesota	
Ecolab	Electrical Engineer	Eagan	Minnesota	
Element Technologies	Associate Marketing Engineer	Bloomington	Minnesota	
Entegee	Electrical Engineer	New Hope	Minnesota	
Entrust Datacard	Engineering Technician	Shakopee	Minnesota	
Fredrickson and Byron	Patent Agent	Minneapolis	Minnesota	
Gausman and Moore	Electrical Engineer	St. Paul	Minnesota	
Graco Inc.	Associate Electrical Engineer	Minneapolis	Minnesota	
Graco Inc.	Associate Hardware Engineer	Minneapolis	Minnesota	
Honeywell	Hardware Test Engineer	Minneapolis	Minnesota	

Honeywell	Electrical Engineering Intern	Golden Valley	Minnesota	
Honeywell		Richardson	Texas	
IBM	Verification Engineer	Rochester	Minnesota	
IBM	Signal Integrity Engineer	Rochester	Minnesota	
IBM	Hardware Verification Engineer	Rochester	Minnesota	
Knowles Corporation	Test Engineer	Itasca	Illinois	
Kohler Company	Maintenance Engineer	Kohler	Wisconsin	
Medallia	Senior Technical Support Agent	San Mateo	California	
Medtronic	Associate IC Design Engineer	Mounds View	Minnesota	
MEP Associates	Electrical Designer	Eagan	Minnesota	
MISO Energy	Reliability Engineer	Eagan	Minnesota	
MISO Energy	Economic Studies Engineer	Eagan	Minnesota	
National Instruments	Engineering Leadership Program	Austin	Texas	
NV5	Electrical Engineer 1	St. Paul	Minnesota	
Open Systems International	Project Engineer	Medina	Minnesota	
Open Systems International	Project Engineer	Medina	Minnesota	
Optum Technology	Software Engineer	Eden Prairie	Minnesota	
Patent Law Firm		Munich		Germany
Seagate Technology	Servo Systems Engineer	Minneapolis	Minnesota	
Sensata Technologies	Electrical design engineer	Bloomington	Minnesota	
Siemens	Engineering Specialist	Shoreview	Minnesota	
Sleep Number Corporation	Associate Electrical Design Engineer	Minneapolis	Minnesota	
Smiths Medical	Systems Verification E1	Plymouth	Minnesota	
SpaceX	Harness Design Associate Engineer	Hawthorne	California	
Sparton	Electrical Engineer I	Plymouth	Minnesota	
TSI Incorporated	Electrical Engineer	Shoreview	Minnesota	
Ulteig	Electrical Engineer	Shoreview	Minnesota	
Ulteig	Protection and Controls Engineer	St. Paul	Minnesota	
Ulteig	Substation Graduate Engineer	St Paul	Minnesota	
University of Minnesota Twin Cities	Lab Manager	Minneapolis	Minnesota	
UTC Aerospace System	Electrical Engineer	Burnsville	Minnesota	
Wells Fargo	Software Engineer	Minneapolis	Minnesota	
Xcel Energy	Commissioning Engineer	Maple Grove	Minnesota	
Xcel Energy	Electrical Engineer	Minneapolis	Minnesota	
Xcel Energy	Engineer - Regional Transmission Planning	Minneapolis	Minnesota	
Xcel Energy	Grid Modernization Engineer	St. Paul	Minnesota	

## Graduate School Information

### Program type

Type of Degree	# Responded	%
Further undergraduate coursework	1	5.3%
Second bachelor's degree	0	0.0%
Masters in a technical field	14	73.7%
Masters in non-technical field	0	0.0%
PhD program	4	21.1%
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%
MBA	0	0.0%
Total	19	100%

### University and program information

University:	Program:	City:	State:	Program Type:
Air Force Institute of Technology	Electrical Engineering	Dayton	Ohio	Masters in a technical field
Arizona State Uni	PSM in Solar Energy Engineering & Commercialization	Tempe	Arizona	Masters in a technical field
University of California Los Angeles	Electrical Engineering	Los Angeles	California	Masters in a technical field
University of Colorado Boulder	Aerospace Engineering	Boulder	Colorado	PhD program
University of Illinois - Urbana Champaign	M.S. / Phd - Electrical Engineering	Urbana - Champaign	Illinois	PhD program
University of Michigan Ann Arbor	Electrical Engineering	Ann Arbor	Michigan	Masters in a technical field
University of Minnesota	CCAPS	Minneapolis	Minnesota	Further Undergraduate coursework
University of Minnesota	Electrical Engineering	Minneapolis	Minnesota	Masters in a technical field
University of Minnesota	Electrical Engineering	Minneapolis	Minnesota	Masters in a technical field
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University of Minnesota	Electrical Engineering	Minneapolis	Minnesota	Masters in a technical field
University of Minnesota	Electrical Engineering	Minneapolis	Minnesota	PhD program
University of Minnesota	Electrical Engineering	Minneapolis	Minnesota	PhD program