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**Penn State
Architectural
Engineering**

CAREER FAIR

2019

Placement & Salary Summary

for the Penn State Bachelor of Architectural Engineering (B.A.E.) and
Master of Architectural Engineering (M.A.E.)
Graduating Class of 2019
Department of Architectural Engineering

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PennState
College of Engineering

**ARCHITECTURAL
ENGINEERING**

Annual Salary & Placement Survey Summary

Each year the Architectural Engineering Department (AE) conducts a voluntary exit survey under the supervision of Professor M. Kevin Parfitt to obtain historical information relative to salary offers, acceptances, employment details, and related information such as student placement preferences. This year the published summary of offers and acceptance details continue to highlight a variety of information related to salaries including separate categories of data for the BAE and MAE degree programs.

The demand for 2019 Penn State AE graduates continued a steady upward climb based on the 100% placement rate for all students actively seeking employment through the AE Department Career Development program, number of offers received, and the number of unfilled job positions offered to AE students. Positive demand is also evidenced by an increase in the average salary figures for accepted positions in all AE Options.

The value of the average offer accepted by the Class of 2019 increased 2.7% to \$64,960 and the demand for top performing students continues to be very strong with high salary offers ranging from \$69,000 up to \$80,000 this year.

Based on preliminary data from students and employers, *Fall Semester 2019 (Class of 2020)* promises to deliver a high number of early offers and acceptances. In addition, we expect this to be the year of the *Summer Internship Boom* due to a slightly smaller 5th-year senior class and the realization by industry firms that providing students with a quality summer internship experience is an invaluable recruiting tool.

By the Percentages...

41... Percentage of students accepting an offer from one of their previous internship employers. This is up 10% from last year. *Internships remain one of the best recruiting tools for employers.*

48... Percent of all offers included an incentive or signing bonus. A new record. *Bonus provisions are becoming a significant part of first year income for entry level engineers.*

53... Percentage of students accepting their highest offer.

2.7... Average percentage increase in value of all offers of employment accepted in 2019 compared to 2018.

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Salary Summary Information^{1 2} September 16, 2019

AE Salary Survey Category	Construction	Lighting / Electrical	Mechanical	Structural
Offers				
Average BAE Salary – All Offers	\$ 65,040	\$ 59,920	\$ 61,870	\$ 55,920
Average MAE Salary – All Offers	\$ 67,000	\$ 64,120	\$ 64,600	\$ 61,150
Avg. BAE + MAE Salary – All Offers	\$ 65,180	\$ 62,190	\$ 64,000	\$ 59,680
Change in Overall Class Avg. from 2018	(1.4%)	7.4%	10.8%	(3.0%)
Accepted				
Average BAE Salary - Accepted	\$ 66,140	\$ 59,750	\$ 64,250	\$ 61,720
Average MAE Salary – Accepted ³	\$ 68,000	\$ 64,500	\$ 64,270	\$ 69,840
Avg. BAE + MAE Salary - Accepted	\$ 66,290	\$ 62,130	\$ 64,040	\$ 66,090
Change in Overall Class Avg. from 2017	(0.24) %	3.4%	1.3%	9.6%
Accepted with a company that was one of their previous internship employers.	42%	38%	67%	23%
High – Low				
Highest Reported Offer	\$ 75,000	\$ 72,000	\$ 69,000	\$ 80,000
Lowest Reported Offer	\$55,000	\$ 52,000	\$ 55,000	\$ 54,000
Students Accepting their Highest Offer	73%	25%	56%	52%
Bonus⁴				
Average Bonus	\$3,540	1,830	\$2,500	\$2,570
Offers that included a signing bonus	54%	31%	64%	52%
Class of 2019 - Overall Averages				
Average Salary Offered – All Options	\$ 62,650	\$ 61,700	\$ 950	1.5%
Average Salary Accepted – All Options	\$ 64,960	\$ 63,260	\$ 1,700	2.7%

¹ Information contained in this summary represents only those students in the Class of 2019 who responded to the survey as of August 15, 2019.

² Several MAE students in this class are scheduled to graduate in Dec. of 2019 who have not accepted positions prior to the Career Fair, therefore their salaries are not included in this summary. Early acceptances are reported.

³ Construction MAE salary based on small sample size.

⁴ Bonus amounts are not included in the Salary figures reported in this chart. Approximately 32% of students also indicated that they would receive a moving allowance as a separate item which is not included in the Bonus figures in the chart.

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L/E Option Average Salary Offer Breakdown ⁵	Percentage of Total Offers	2019
Lighting Designer or Lighting Engineer Position Only	24%	\$ 57,330
Positions Described as Primarily Electrical or Elect/Ltg.	44%	\$ 63,050
Positions Described as Lighting / Electrical (L/E)	32%	\$64,380

“Non - Traditional” AE Employment Categories: Offers	High	Low	Average
Structural & Architectural Forensics / Building Science / Building Envelopes / Building Technology / Waterproofing	\$ 72,000	\$ 60,320	\$ 67,100
Facades and Façade Engineering ⁶	\$ 66,000	\$ 65,000	\$ 65,500

Summer Internships ⁷	2019
Range – All Options	\$20.00 - \$ 25.00 per hour
<i>Applies to Returning Seniors & MAE Students, not necessarily the entire undergraduate population. Note this is a very limited sample as most students were pursuing permanent full-time employment.</i>	

Other Career Activities	2019
Number of students indicating Graduate School in lieu of full-time employment at this time.	2
Graduates entering full-time Military Service .	1

⁵ Note that the Lighting / Electrical Option Figures are based on a small sample size of students (split between Lighting Design, Electrical Design positions and L/E) and may not accurately reflect industry averages in this field.

⁶ Averages based on small sample sizes.

⁷ Some internship offers for these upper level students included housing or housing allowances in addition to the hourly rate noted in the chart. Those allowance figures are not averaged into the wages shown in the chart.