



America's Brightest ORANGE

Oklahoma State University

University Assessment and Testing

2020 OSU Alumni Survey

Survey Report – Engineering and Technology Management

The OSU Alumni Survey is a survey designed to collect information about OSU graduated students. More specifically, it is designed to collect information on their career, educational achievements, and their experience with OSU. This information will be used to improve academic programs and student experiences at OSU for generations to come. This survey targeted alumni of undergraduate and graduate programs who received their degree in 2014 and/or 2018. The survey was administered online by OSU-University Assessment and Testing (UAT) in March 2020 through April 2020. Departments may request additional information by contacting UAT (assessment@okstate.edu).

Survey Questions

Respondents were asked up to 39 institutional level items. Institutional level items were given to all OSU alumni and the items consisted of six topics: continuing education, well-being and community, demographic information, academic satisfaction, career reflection, and current job or career information.

Target Population / Response Rate – Engineering and Technology Management

	OSU Degree Received:		
	<u>2014</u>	<u>2018</u>	<u>Total</u>
Number of graduates (<i>n</i>)	43	32	75
Number of survey respondents (<i>n</i>)	8	9	17
Response rate	18.6	28.1	22.7

1. Since graduating from OSU, how would you describe your activity? (This item was "mark all that apply")	2014		2018	
	<i>n</i>	%	<i>n</i>	%
Not engaged in paid employment, nor enrolled in graduate or professional school	0	0.0	0	0.0
Enrolled in graduate or professional school	1	11.1	0	0.0
Employed full-time or part-time	8	88.9	8	80.0
Both employed (other than graduate assistant) and continuing my education	0	0.0	1	10.0
Self-employed	0	0.0	1	10.0

2. Whether or not you are currently employed, in what area is your principal occupation?	2014		2018	
	<i>n</i>	%	<i>n</i>	%
Engineering	6	75.0	7	77.8
Computer Science, Programming or Technology	0	0.0	1	11.1
Science, Social Science, or Mathematics	0	0.0	0	0.0
Health or Mental Health	0	0.0	0	0.0
Business or Management	2	25.0	0	0.0
Finance or Accounting	0	0.0	0	0.0
Education, Training, or Library	0	0.0	0	0.0
Legal	0	0.0	0	0.0
Writing, Journalism, or Design	0	0.0	0	0.0
Public Service, Policy, or Politics	0	0.0	1	11.1
Public Relations, Marketing, or Sales	0	0.0	0	0.0
Architecture	0	0.0	0	0.0
Art, Performing, or Athletics	0	0.0	0	0.0
Participating in a volunteer or service program	0	0.0	0	0.0
Serving in the U.S. military	0	0.0	0	0.0
Other occupational area (INSERT FIELD)	0	0.0	0	0.0



Continuing Education

Participants who indicated they were continuing their education responded to the following items.

	2014		2018	
	<i>n</i>	%	<i>n</i>	%
3. What graduate or professional degree are you pursuing or, if you completed a degree, what degree did you complete? (This item was "mark all that apply")				
Graduate Certificate	0	0.0	1	50.0
Master's	1	100.0	1	50.0
Doctoral	0	0.0	0	0.0
Medical (includes nursing, osteopathy, dental, vet, and more)	0	0.0	0	0.0
Law	0	0.0	0	0.0
Other (INSERT FIELD)	0	0.0	0	0.0
Prefer not to answer	0	0.0	0	0.0

	2014	2018
	4. What was the name of your graduate or professional school?	
Oklahoma State University	1	1

	2014		2018	
	<i>n</i>	%	<i>n</i>	%
5. How well did your OSU program prepare you for graduate or professional education program?				
Very well	1	100.0	1	100.0
Adequately	0	0.0	0	0.0
Not very well	0	0.0	0	0.0
Not at all	0	0.0	0	0.0
Prefer not to answer	0	0.0	0	0.0



Well-being & Community

6. How connected do you feel to OSU?	2014		2018	
	<i>n</i>	%	<i>n</i>	%
Very connected	1	12.5	1	11.1
Moderately connected	1	12.5	2	22.2
Somewhat connected	5	62.5	3	33.3
Not very connected	1	12.5	3	33.3

7. Are you regularly in touch with people you met at OSU? (This item was "mark all that apply")	2014		2018	
	<i>n</i>	%	<i>n</i>	%
Yes, with my advisor(s)	0	0.0	1	11.1
Yes, with professors or staff	0	0.0	0	0.0
Yes, with members of my team, club, or sorority/fraternity	0	0.0	0	0.0
Yes, with classmates/friends I met at OSU	2	25.0	1	11.1
No	6	75.0	7	77.8

8. How much has your overall quality of life been enhanced by your Oklahoma State University experience?	2014		2018	
	<i>n</i>	%	<i>n</i>	%
Very Much	4	50.0	2	22.2
Somewhat	3	37.5	5	55.6
Little	1	12.5	1	11.1
None	0	0.0	1	11.1

9. In the past twelve months, how often have you participated in unpaid volunteer work?	2014		2018	
	<i>n</i>	%	<i>n</i>	%
More than once a week	1	12.5	0	0.0
About once a week	0	0.0	1	11.1
About once a month	2	25.0	3	33.3
Every few months	1	12.5	0	0.0
Once or twice in the past year	2	25.0	2	22.2
Not at all	2	25.0	3	33.3



10. How would you change the emphasis OSU placed on these aspects of education and college life?

10a. Making ethical and thoughtful decisions	2014		2018	
	<i>n</i>	%	<i>n</i>	%
Reduce a great deal	0	0.0	0	0.0
Reduce somewhat	0	0.0	0	0.0
Keep about the same	3	37.5	5	55.6
Increase somewhat	5	62.5	2	22.2
Increase a great deal	0	0.0	1	11.1
I don't know	0	0.0	1	11.1

10b. Exploring alternative values, perspectives, and beliefs from around the world	2014		2018	
	<i>n</i>	%	<i>n</i>	%
Reduce a great deal	0	0.0	0	0.0
Reduce somewhat	0	0.0	1	11.1
Keep about the same	4	50.0	6	66.7
Increase somewhat	3	37.5	1	11.1
Increase a great deal	0	0.0	0	0.0
I don't know	1	12.5	1	11.1

10c. Improving written and oral communication skills	2014		2018	
	<i>n</i>	%	<i>n</i>	%
Reduce a great deal	0	0.0	0	0.0
Reduce somewhat	0	0.0	0	0.0
Keep about the same	3	37.5	8	88.9
Increase somewhat	4	50.0	1	11.1
Increase a great deal	0	0.0	0	0.0
I don't know	1	12.5	0	0.0



10d. Improving ability to think critically (analytically and logically)	2014		2018	
	<i>n</i>	%	<i>n</i>	%
Reduce a great deal	0	0.0	0	0.0
Reduce somewhat	0	0.0	0	0.0
Keep about the same	3	37.5	8	88.9
Increase somewhat	4	50.0	1	11.1
Increase a great deal	1	12.5	0	0.0
I don't know	0	0.0	0	0.0

10e. Ability to interact positively with people who are different from you	2014		2018	
	<i>n</i>	%	<i>n</i>	%
Reduce a great deal	0	0.0	0	0.0
Reduce somewhat	0	0.0	0	0.0
Keep about the same	4	50.0	7	77.8
Increase somewhat	3	37.5	2	22.2
Increase a great deal	1	12.5	0	0.0
I don't know	0	0.0	0	0.0

10f. Developing good health habits and physical fitness	2014		2018	
	<i>n</i>	%	<i>n</i>	%
Reduce a great deal	0	0.0	0	0.0
Reduce somewhat	0	0.0	0	0.0
Keep about the same	3	37.5	5	55.6
Increase somewhat	2	25.0	4	44.4
Increase a great deal	2	25.0	0	0.0
I don't know	1	12.5	0	0.0



Academic Satisfaction

11. Please rate your degree of satisfaction with each of the following items:

11a. The quality of teaching at OSU	2014		2018	
	<i>n</i>	%	<i>n</i>	%
Very Satisfied	0	0.0	3	33.3
Satisfied	8	100.0	5	55.6
Neutral	0	0.0	1	11.1
Dissatisfied	0	0.0	0	0.0
Very Dissatisfied	0	0.0	0	0.0
Not applicable	0	0.0	0	0.0

11b. Availability of courses needed for your degree program	2014		2018	
	<i>n</i>	%	<i>n</i>	%
Very Satisfied	1	12.5	3	33.3
Satisfied	7	87.5	5	55.6
Neutral	0	0.0	0	0.0
Dissatisfied	0	0.0	1	11.1
Very Dissatisfied	0	0.0	0	0.0
Not applicable	0	0.0	0	0.0

11c. OSU academic facilities (e.g. classrooms, labs, buildings, etc.)	2014		2018	
	<i>n</i>	%	<i>n</i>	%
Very Satisfied	1	12.5	2	22.2
Satisfied	3	37.5	4	44.4
Neutral	1	12.5	1	11.1
Dissatisfied	0	0.0	1	11.1
Very Dissatisfied	0	0.0	0	0.0
Not applicable	3	37.5	1	11.1



11d. OSU academic advising	2014		2018	
	<i>n</i>	%	<i>n</i>	%
Very Satisfied	1	12.5	4	44.4
Satisfied	3	37.5	3	33.3
Neutral	3	37.5	1	11.1
Dissatisfied	0	0.0	0	0.0
Very Dissatisfied	0	0.0	1	11.1
Not applicable	1	12.5	0	0.0

11e. Preparation to handle non-career related goals (e.g. family, finances, etc.)	2014		2018	
	<i>n</i>	%	<i>n</i>	%
Very Satisfied	0	0.0	1	11.1
Satisfied	1	12.5	4	44.4
Neutral	5	62.5	2	22.2
Dissatisfied	0	0.0	0	0.0
Very Dissatisfied	0	0.0	1	11.1
Not applicable	2	25.0	1	11.1

11f. Availability of internship/practicum experiences	2014		2018	
	<i>n</i>	%	<i>n</i>	%
Very Satisfied	0	0.0	1	11.1
Satisfied	1	12.5	2	22.2
Neutral	4	50.0	3	33.3
Dissatisfied	0	0.0	1	11.1
Very Dissatisfied	0	0.0	1	11.1
Not applicable	3	37.5	1	11.1

11g. Overall education at OSU	2014		2018	
	<i>n</i>	%	<i>n</i>	%
Very Satisfied	3	37.5	3	33.3
Satisfied	4	50.0	5	55.6
Neutral	1	12.5	0	0.0
Dissatisfied	0	0.0	1	11.1
Very Dissatisfied	0	0.0	0	0.0
Not applicable	0	0.0	0	0.0



12. If you could start over, would you still choose to attend Oklahoma State University?	2014		2018	
	<i>n</i>	%	<i>n</i>	%
Definitely yes	4	50.0	4	44.4
Probably yes	3	37.5	4	44.4
Uncertain	1	12.5	0	0.0
Probably no	0	0.0	1	11.1
Definitely no	0	0.0	0	0.0

Career Reflection

Participants who indicated they were employed responded to the following items.

13. How closely is your job related to your field of study?	2014		2018	
	<i>n</i>	%	<i>n</i>	%
Not related	0	0.0	0	0.0
Somewhat related	2	25.0	3	33.3
Directly related	6	75.0	6	66.7

14. How well did OSU prepare you for meaningful employment?	2014		2018	
	<i>n</i>	%	<i>n</i>	%
Very well	5	62.5	4	44.4
Adequately	2	25.0	5	55.6
Not very well	1	12.5	0	0.0
Not at all	0	0.0	0	0.0
Prefer not to answer	0	0.0	0	0.0

15. Overall, how satisfied are you with your career?	2014		2018	
	<i>n</i>	%	<i>n</i>	%
Very Satisfied	3	37.5	4	44.4
Satisfied	5	62.5	5	55.6
Neutral	0	0.0	0	0.0
Dissatisfied	0	0.0	0	0.0
Very Dissatisfied	0	0.0	0	0.0



Current Job or Career

	2014		2018	
	<i>n</i>	%	<i>n</i>	%
16. Are you employed full-time (on average 30 hours or more per week) or part-time (on average less than 30 hours per week)?				
Full-time	8	100.0	8	100.0
Part-time	0	0.0	0	0.0

	2014		2018	
	<i>n</i>	%	<i>n</i>	%
17. How long did it take to find your first employment after graduating from OSU?				
Employed by graduation	7	87.5	7	87.5
3 months after graduation	1	12.5	0	0.0
6 months after graduation	0	0.0	1	12.5
9 months after graduation	0	0.0	0	0.0
1 year after graduation	0	0.0	0	0.0
over 1 year after graduation	0	0.0	0	0.0

18 & 19. Alumni Employer Names and Position Titles	
Current employer	Job Title
ClimateMaster	Director of Manufacturing Engineering & Facilities
Colorado Engineering Incorporated	Director of Sustainability
Ditch Witch	Sr. Design Engineer
Exp Energy Services Incorporated	Senior Project Manager
GUY Engineering Services	Operations Manager
International Paper	Reliability Engineer
Oxbow Calcining LLC	Technical Manager
Raytheon Company	Senior Principal Systems Engineer
Tinker Air Force Base	System Safety Engineer
Tinker Air Force Base	Mechanical Engineer
Tinker Air Force Base	Electronics Engineer
Town of Oro Valley	Fleet and Facility Manager
United States Air Force Reserve	Civil Engineer



United States Air Force, 76 Software Engineering Group at Tinker AFB	Supervisory Electronics Engineer
University of Houston	Chief Engineer
	Electrical Engineer

20. Which of the following best describes your employer?	2014		2018	
	<i>n</i>	%	<i>n</i>	%
A corporation, partnership, or private business	4	50.0	4	44.4
Military	1	12.5	3	33.3
Other governmental entity	1	12.5	1	11.1
Charity or other nonprofit entity	0	0.0	0	0.0
Educational institution	0	0.0	1	11.1
Other	2	25.0	0	0.0
Prefer not to answer	0	0.0	0	0.0

21. Does your job require: (This item was "mark all that apply")	2014		2018	
	<i>n</i>	%	<i>n</i>	%
Technology skills	7	13.0	7	13.5
Conducting research	4	7.4	4	7.7
Extensive training	3	5.6	4	7.7
Math skills	5	9.3	4	7.7
Problem solving/analytic reasoning	8	14.8	8	15.4
Speaking to a group	7	13.0	6	11.5
Use of specialized machinery	2	3.7	2	3.8
Use of specialized software	3	5.6	6	11.5
Working with a diverse group of people	8	14.8	6	11.5
Writing reports, memos, papers, publications, etc.	7	13.0	5	9.6



22. What is your approximate total annual salary (including bonuses), before taxes?	2014		2018	
	<i>n</i>	%	<i>n</i>	%
Less than \$15,000	0	0.0	0	0.0
\$15,000 but less than \$25,000	0	0.0	0	0.0
\$25,000 but less than \$35,000	0	0.0	0	0.0
\$35,000 but less than \$45,000	0	0.0	0	0.0
\$45,000 but less than \$55,000	0	0.0	0	0.0
\$55,000 but less than \$65,000	0	0.0	0	0.0
\$65,000 but less than \$75,000	0	0.0	1	11.1
\$75,000 but less than \$100,000	0	0.0	4	44.4
\$100,000 but less than \$125,000	5	62.5	4	44.4
\$125,000 but less than \$150,000	0	0.0	0	0.0
Over \$150,000	2	25.0	0	0.0
Prefer not to answer	1	12.5	0	0.0

Demographics

23. Which OSU campus do you most identify with?	2014		2018	
	<i>n</i>	%	<i>n</i>	%
Stillwater	5	62.5	4	44.4
Tulsa	1	12.5	1	11.1
Equally Stillwater or Tulsa	0	0.0	0	0.0
Online	2	25.0	4	44.4

24. In which country do you currently reside?	2014		2018	
	<i>n</i>	%	<i>n</i>	%
United States of America	8		9	



24a. In which state do you currently reside?		
	2014	2018
AR	0	1
CO	1	0
OK*	3	3
OK-OKC	1	1
OK-STW	1	1
OK-TUL	0	0
TX	1	2

*2 respondents did not provide a valid Oklahoma zip code and were therefore added to the general Oklahoma count.

Overall

25. What could OSU have done to better serve you?
I am currently postponing my last class in IA, I would like an update if requirements change.
I wish OSU had less turnover in the MSETM department.
If the ETM department had used the resources provided by the university. Getting books for this program was at time impossible. I had two classes that ended by the time I was able to obtain the course required materials. Had the department requested book orders from the professors and submitted them to the book store. I could have used my Bursar to buy the books and get them that day. When I told my advisor XXXXX about this challenge and how easy it could be over come. I got the response of "this is just a bump in the road and if you can't deal with it maybe the ETM course isn't for you." I'll never forget those words.
More budgeting and non-major related training opportunities
Not much, I was satisfied with the ETM program
Nothing. I am satisfied that OSU provided the best experience and quality education possible.
Offered curriculum which taught about major standards and process models, such as IEEE 15288, IEEE 12207, and CMMI
The only thing I can think of is all the tuition increases and how high they got compared to military tuition assistance.
Would have liked more exposure to potential employers. Feel like a little more could have been done there.

26. What additional information would you like OSU to know?
Great job!
My graduate program was everything it was described to be. I am satisfied with the education and my ability to apply it.
N/A
No ones perfect and I'm offering this feedback in hopes of improvement for the next graduating class.
same
The faculty and staff of the ETM program were incredible and they really took care of me and my degree program working around my unpredictable military life/schedule!

