



America's Brightest **ORANGE**

Oklahoma State University

University Assessment and Testing

2021 OSU Alumni Survey

Survey Report – Chemistry

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 2015 and/or 2019. The survey was administered online by OSU-University Assessment and Testing (UAT) in March 2021 through May 2021. Departments may request additional information by contacting UAT (assessment@okstate.edu).

Survey Questions

Respondents were asked up to 26 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 – Chemistry

	OSU Degree Received:		
	<u>2015</u>	<u>2019</u>	<u>Total</u>
Number of graduates (<i>n</i>)	6	15	21
Number of survey respondents (<i>n</i>)	3	5	8
Response rate	50.0	33.3	38.1

1. Since graduating from OSU, how would you describe your activity? (This item was "mark all that apply")	2015		2019	
	<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	2	66.7	3	42.9
Employed full-time or part-time	0	0.0	2	28.6
Both employed (other than graduate assistant) and continuing my education	1	33.3	1	14.3
Self-employed	0	0.0	1	14.3

2. Whether or not you are currently employed, in what area is your principal occupation?	2015		2019	
	<i>n</i>	%	<i>n</i>	%
Engineering	0	0.0	0	0.0
Computer Science, Programming or Technology	0	0.0	0	0.0
Science, Social Science, or Mathematics	3	100.0	1	20.0
Health or Mental Health	0	0.0	2	40.0
Business or Management	0	0.0	0	0.0
Finance or Accounting	0	0.0	0	0.0
Education, Training, or Library	0	0.0	1	20.0
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	0	0.0
Public Relations, Marketing, or Sales	0	0.0	1	20.0
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.

	2015		2019	
	<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	0	0.0
Master's	1	25.0	1	25.0
Doctoral	3	75.0	0	0.0
Medical (includes nursing, osteopathy, dental, vet, and more)	0	0.0	3	75.0
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

	2015		2019	
	<i>n</i>	%	<i>n</i>	%
4. What was the name of your graduate or professional school?				
Åbo Akademi University	0		1	
John Hopkins University	1		0	
Oklahoma State University	1		0	
University of Arkansas	1		0	
University of Houston	0		1	
University of Oklahoma	0		1	
University of Tartu	0		1	

	2015		2019	
	<i>n</i>	%	<i>n</i>	%
5. How well did your OSU program prepare you for graduate or professional education program?				
Very well	0	0.0	0	0.0
Adequately	2	66.7	2	50.0
Not very well	1	33.3	2	50.0
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?	2015		2019	
	<i>n</i>	%	<i>n</i>	%
Very connected	0	0.0	2	40.0
Moderately connected	1	33.3	2	40.0
Somewhat connected	1	33.3	0	0.0
Not very connected	1	33.3	1	20.0

7. Are you regularly in touch with people you met at OSU? (This item was "mark all that apply")	2015		2019	
	<i>n</i>	%	<i>n</i>	%
Yes, with my advisor(s)	0	0.0	0	0.0
Yes, with professors or staff	0	0.0	1	10.0
Yes, with members of my team, club, or sorority/fraternity	0	0.0	4	40.0
Yes, with classmates/friends I met at OSU	1	33.3	5	50.0
No	2	66.7	0	0.0

8. How much has your overall quality of life been enhanced by your Oklahoma State University experience?	2015		2019	
	<i>n</i>	%	<i>n</i>	%
Very Much	1	33.3	5	100.0
Somewhat	0	0.0	0	0.0
Little	1	33.3	0	0.0
None	1	33.3	0	0.0

9. In the past twelve months, how often have you participated in unpaid volunteer work?	2015		2019	
	<i>n</i>	%	<i>n</i>	%
More than once a week	0	0.0	0	0.0
About once a week	0	0.0	1	20.0
About once a month	1	33.3	0	0.0
Every few months	1	33.3	0	0.0
Once or twice in the past year	0	0.0	3	60.0
Not at all	1	33.3	1	20.0



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

10a. Making ethical and thoughtful decisions	2015		2019	
	<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	0	0.0	1	20.0
Increase somewhat	1	33.3	1	20.0
Increase a great deal	1	33.3	3	60.0
I don't know	1	33.3	0	0.0

10b. Exploring alternative values, perspectives, and beliefs from around the world	2015		2019	
	<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	0	0.0	3	60.0
Increase somewhat	3	100.0	0	0.0
Increase a great deal	0	0.0	2	40.0
I don't know	0	0.0	0	0.0

10c. Improving written and oral communication skills	2015		2019	
	<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	0	0.0	1	20.0
Increase somewhat	3	100.0	3	60.0
Increase a great deal	0	0.0	1	20.0
I don't know	0	0.0	0	0.0



10d. Improving ability to think critically (analytically and logically)	2015		2019	
	<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	1	33.3	1	20.0
Increase somewhat	1	33.3	1	20.0
Increase a great deal	1	33.3	3	60.0
I don't know	0	0.0	0	0.0

10e. Ability to interact positively with people who are different from you	2015		2019	
	<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	2	66.7	2	40.0
Increase somewhat	0	0.0	2	40.0
Increase a great deal	1	33.3	1	20.0
I don't know	0	0.0	0	0.0

10f. Developing good health habits and physical fitness	2015		2019	
	<i>n</i>	%	<i>n</i>	%
Reduce a great deal	0	0.0	0	0.0
Reduce somewhat	0	0.0	1	20.0
Keep about the same	2	66.7	1	20.0
Increase somewhat	1	33.3	1	20.0
Increase a great deal	0	0.0	2	40.0
I don't know	0	0.0	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	2015		2019	
	<i>n</i>	%	<i>n</i>	%
Very Satisfied	0	0.0	0	0.0
Satisfied	0	0.0	1	20.0
Neutral	0	0.0	3	60.0
Dissatisfied	2	66.7	0	0.0
Very Dissatisfied	1	33.3	1	20.0
Not applicable	0	0.0	0	0.0

11b. Availability of courses needed for your degree program	2015		2019	
	<i>n</i>	%	<i>n</i>	%
Very Satisfied	0	0.0	1	20.0
Satisfied	2	66.7	2	40.0
Neutral	0	0.0	1	20.0
Dissatisfied	1	33.3	1	20.0
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.)	2015		2019	
	<i>n</i>	%	<i>n</i>	%
Very Satisfied	0	0.0	1	20.0
Satisfied	0	0.0	1	20.0
Neutral	1	33.3	1	20.0
Dissatisfied	1	33.3	2	40.0
Very Dissatisfied	1	33.3	0	0.0
Not applicable	0	0.0	0	0.0



11d. OSU academic advising	2015		2019	
	<i>n</i>	%	<i>n</i>	%
Very Satisfied	0	0.0	2	40.0
Satisfied	0	0.0	0	0.0
Neutral	0	0.0	0	0.0
Dissatisfied	1	33.3	0	0.0
Very Dissatisfied	2	66.7	3	60.0
Not applicable	0	0.0	0	0.0

11e. Preparation to handle non-career related goals (e.g. family, finances, etc.)	2015		2019	
	<i>n</i>	%	<i>n</i>	%
Very Satisfied	0	0.0	0	0.0
Satisfied	0	0.0	1	20.0
Neutral	2	66.7	3	60.0
Dissatisfied	0	0.0	0	0.0
Very Dissatisfied	1	33.3	1	20.0
Not applicable	0	0.0	0	0.0

11f. Availability of internship/practicum experiences	2015		2019	
	<i>n</i>	%	<i>n</i>	%
Very Satisfied	0	0.0	1	20.0
Satisfied	0	0.0	2	40.0
Neutral	1	33.3	1	20.0
Dissatisfied	1	33.3	0	0.0
Very Dissatisfied	1	33.3	0	0.0
Not applicable	0	0.0	1	20.0

11g. Overall education at OSU	2015		2019	
	<i>n</i>	%	<i>n</i>	%
Very Satisfied	0	0.0	0	0.0
Satisfied	2	66.7	3	60.0
Neutral	0	0.0	2	40.0
Dissatisfied	1	33.3	0	0.0
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?	2015		2019	
	<i>n</i>	%	<i>n</i>	%
Definitely yes	0	0.0	2	40.0
Probably yes	1	33.3	2	40.0
Uncertain	1	33.3	0	0.0
Probably no	0	0.0	1	20.0
Definitely no	1	33.3	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?	2015		2019	
	<i>n</i>	%	<i>n</i>	%
Not related	0	0.0	1	50.0
Somewhat related	1	100.0	1	50.0
Directly related	0	0.0	0	0.0

14. How well did OSU prepare you for meaningful employment?	2015		2019	
	<i>n</i>	%	<i>n</i>	%
Very well	0	0.0	1	50.0
Adequately	1	100.0	0	0.0
Not very well	0	0.0	0	0.0
Not at all	0	0.0	1	50.0
Prefer not to answer	0	0.0	0	0.0

15. Overall, how satisfied are you with your career?	2015		2019	
	<i>n</i>	%	<i>n</i>	%
Very Satisfied	0	0.0	0	0.0
Satisfied	0	0.0	1	50.0
Neutral	1	100.0	1	50.0
Dissatisfied	0	0.0	0	0.0
Very Dissatisfied	0	0.0	0	0.0



Current Job or Career

	2015		2019	
	<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	1	100.0	2	100.0
Part-time	0	0.0	0	0.0

	2015		2019	
	<i>n</i>	%	<i>n</i>	%
17. How long did it take to find your first employment after graduating from OSU?				
Employed by graduation	0	0.0	2	100.0
3 months after graduation	1	100.0	0	0.0
6 months after graduation	0	0.0	0	0.0
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

	2015		2019	
	<i>n</i>	%	<i>n</i>	%
18. What is your official job title?				
Biosafety Officer/Microbiologist	1		0	
Instructional Developer	0		1	

19. What is the name of your current employer? Please include full name (no abbreviations). ¹	
Fire Protection Publications	
Oklahoma State Department of Health	

¹Current Employer is presented exactly as reported by survey respondents.



20. Which of the following best describes your employer?	2015		2019	
	<i>n</i>	%	<i>n</i>	%
A corporation, partnership, or private business	0	0.0	0	0.0
Military	0	0.0	0	0.0
Other governmental entity	1	100.0	0	0.0
Charity or other nonprofit entity	0	0.0	0	0.0
Educational institution	0	0.0	1	100.0
Other	0	0.0	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")	2015		2019	
	<i>n</i>	%	<i>n</i>	%
Technology skills	1	12.5	1	9.1
Conducting research	0	0.0	1	9.1
Extensive training	1	12.5	1	9.1
Math skills	1	12.5	2	18.2
Problem solving/analytic reasoning	1	12.5	1	9.1
Speaking to a group	1	12.5	1	9.1
Use of specialized machinery	0	0.0	0	0.0
Use of specialized software	1	12.5	1	9.1
Working with a diverse group of people	1	12.5	2	18.2
Writing reports, memos, papers, publications, etc.	1	12.5	1	9.1

22. What is your approximate total annual salary (including bonuses), before taxes?	2015		2019	
	<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	1	50.0
\$35,000 but less than \$45,000	0	0.0	1	50.0
\$45,000 but less than \$55,000	0	0.0	0	0.0
\$55,000 but less than \$65,000	1	100.0	0	0.0
\$65,000 but less than \$75,000	0	0.0	0	0.0
\$75,000 but less than \$100,000	0	0.0	0	0.0
\$100,000 but less than \$125,000	0	0.0	0	0.0
\$125,000 but less than \$150,000	0	0.0	0	0.0
Over \$150,000	0	0.0	0	0.0
Prefer not to answer	0	0.0	0	0.0



Demographics

23. Which OSU campus do you most identify with?	2015		2019	
	<i>n</i>	%	<i>n</i>	%
Stillwater	3	100.0	5	100.0
Tulsa	0	0.0	0	0.0
Equally Stillwater or Tulsa	0	0.0	0	0.0
Online	0	0.0	0	0.0

24. In which country do you currently reside?	2015		2019	
	Estonia	0		1
United States of America	3		4	

24a. In which state do you currently reside?	2015		2019	
	AR	1		0
NY	0		1	
OK*	1		2	
OK-OKC	1		0	
TX	0		1	

*1 respondent did not provide a valid Oklahoma zip code and was therefore added to the general Oklahoma count.



Overall

25. What could OSU have done to better serve you?
Diversity I felt as if I was going to be lynched on that campus , staff does not care about students majority just their research
Honestly compared to my fellow classmates my knowledge is greatly lacking.
In the chemistry department, I wish some of the professors were more approachable and had experience teaching.
More education on "life skills"
My advisor didn't know anything about the chemistry courses. I ended up having to ask a chemistry professor if I hadn't already figured out what I should take.
My advisor was not supportive at all. I had to seek outside sources to gain guidance on applying to graduate schools (pharmacy school). There should be more guidance at OSU for students that want to go on health tracks.
The chemistry department as a whole needs better faculty and better facilities. There were good professors too but some were not acceptable teachers.

26. What additional information would you like OSU to know?
Bring WEST CAFE BACK
I heard the advanced organic chemistry course (4000 level) was removed and that course taught me a lot of what I needed in graduate school and beyond. It would be a disservice to not offer that course to chemistry majors.
The honors program and music programs are some of the most valuable components of OSU. Continue to fund and grow them. OSU will always be near to my heart.

