

## **NASA OSTEM Internship Program Intern Survey 2022**

### NASA OSTEM Internship Program Survey

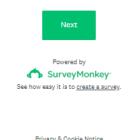
As a participant in NASA OSTEM Internship Program, you have been selected to take part in a brief questionnaire about your experiences as a NASA intern. If you wish to participate in this survey, please continue to the next page. Thank you for your cooperation!

#### Privacy Act Notification:

The information you provide via this form is protected from unauthorized disclosure in accordance with the Privacy Act of 1974. It will be used by NASA for the specific purpose of managing registrants, selecting applicants, implementing and evaluating STEM engagement investments. Collection of the information is authorized by the National Aeronautics and Space Act of 1958 § 403(a)(b), 42 U.S.C. § 2473 (c)(1). Provision of the requested information is strictly voluntary; however, failure to provide the information may result in NASA's inability to provide you with the information or STEM services you desire. NASA may disclose information to NASA administrators and managers, Office of Management and Budget officials, and members of Congress for the purposes of accountability and tracking of program and project efficiency and effectiveness. Elaboration and conditions of information disclosure may be found under "Routine Uses" of the full System of Records Notice at https://www.govinfo.gov/content/pkg/PAI-2013-NASA/xml/PAI-2013-NASA.xml#10euda and in Appendix B at https://www.govinfo.gov/content/pkg/PAI-2013-NASA/xml/PAI-2013-NASA.xml#appb.

#### Paperwork Reduction Act Statement:

This information collection meets the requirements of 44 U.S.C. §3507, as amended by section 2 of the Paperwork Reduction Act of 1995. You do not need to answer these questions unless we display a valid Office of Management and Budget (OMB) control number. The OMB control number for this collection is 2700-0159 and expires 09/30/2024.



# NASA OSTEM Internship Program Intern Survey 2022

1. At which site did you participate? (Select one)
Ames Research Center
Armstrong Flight Research Center
O Glenn Research Center
O Goddard Space Flight Center
O Independent Verification and Validation (IV&V) Facility
O Jet Propulsion Laboratory
O Johnson Space Center
○ Kennedy Space Center
Cangley Research Center
Michoud Assembly Facility (MAF)
Marshall Space Flight Center
NASA Headquarters
NASA Shared Services Center (NSSC)
O Stennis Space Center
○ Wallops Flight Facility (WFF)
○ White Sands Complex (WSC)
○ White Sands Test Facility (WSTF)

2. In which primary area of NASA work were you assigned during your internship? (Select one)
O Entry, Descent, and Landing
Advanced Computing and Data Analytics
O Human Space Flight Related Areas
O Spacecraft and Instrument Development and Testing
O Flight Testing
Remote Sensing and Atmospheric Research
O Propulsion for Both Airbreathing and Rocket/Space Systems
O Communication and Navigation Systems
Aero-sciences including Computer Modeling and Test Facilities (wind tunnels, UAV ranges, simulators)
O Robotic Operations
C Launch Services (range, suborbital, and capabilities)
Mission Design and Concept Development
O System and Fundamental Research Areas
<ul> <li>Mission Support and Enterprise Support (facilities/center operations, financial/procurement, OCHO, legal, IT/OCIO, OCOMM, ODEO, OSTEM, safety and mission assurance, and security)</li> </ul>
* 3. Was your internship experience in-person or virtual? (Select one)
○ In-person
○ Virtual
O Hybrid (contained both in-person and virtual elements)
* 4. What is your gender? (Select one)
○ Female
○ Male
O Do not wish to provide

* 5. What is your ethnicity? (Select one)
O Hispanic or Latino
Not Hispanic or Latino
O Do not wish to provide
* 6. What is your race? (Select as many as apply).
American Indian or Alaskan Native
Asian
Black or African American
Native Hawaiian or Other Pacific Islander
White
Do not wish to provide
* 7. Do you have a disability? (Select one)
○ Yes
○ No
O Do not wish to provide
* 8. Is English your first/native language? (Select one)
○ Yes
○ No
O Do not wish to provide

* 9. Has at least one of your parents/guardians graduated from college? (Select one)
○ Yes
○ No
O Do not wish to provide
10. What is your current grade level in school? (Select one)
O High school freshman
O High school sophomore
O High school junior
O High school senior
○ College freshman
○ College sophomore
○ College junior
○ College senior
O Graduate student
O Do not wish to provide
Other (please specify)
Prev Next
Powered by  SurveyMonkey

See how easy it is to create a survey.

* 11. Have you ever received or are you eligible for a Pell Grant (needs based) at your university? (Select one)
○ Yes
○ No
O Do not wish to provide
O Not applicable (I am not a college student)
12. When in high school, are/were you able to receive free or reduced price lunch? (Select one)
○ Yes
○ No
O Do not wish to provide
Other (please specify)
13. Where is/was your high school located? (Select one)
○ Urban
○ Rural
○ Suburban
O Do not wish to provide
Powered by  SurveyMonkey  See how easy it is to create a survey.

 $^{*}$  14. How often did you do each of the following in STEM classes at school taken over the past year? (Select one per row)

	Not at all	At least once	Monthly	Weekly	Every day
Work with a STEM researcher or company on a real- world research project	0	0	0	0	0
Work with a STEM researcher on a project of my own choosing	0	0	0	0	0
Design my own research or investigation based on my own question(s)	0	0	0	0	0
Present my STEM research to a panel of judges from a relevant industry	0	0	0	0	0
Interact with STEM researchers	0	0	0	0	0
Use laboratory procedures and tools	0	0	0	0	0
Identify questions or problems to investigate	0	0	0	0	0
Analyze data or information and draw conclusions	0	0	0	0	0
Work collaboratively as part of a team	0	0	0	0	0
Build or make a computer model	0	0	0	0	0



\* 15. How often did you do each of the following in your NASA internship program this year? (Select one per row)

	Not at all	At least once	Weekly	Monthly	Every day
Work with a STEM researcher or company on a real- world STEM research project	0	0	0	0	0
Work with a STEM researcher on a project of my own choosing	0	0	0	0	0
Design my own research or investigation based on my own question(s)	0	0	0	0	0
Present my STEM research to a panel of judges from a relevant industry	0	0	0	0	0
Interact with STEM researchers	0	0	0	0	0
Use laboratory procedures and tools	0	0	0	0	0
Identify questions or problems to investigate	0	0	0	0	0
Analyze data or information and draw conclusions	0	0	0	0	0
Work collaboratively as part of a team	0	0	0	0	0
Build or make a computer model	0	0	0	0	0

Prev	Next					
Power	red by					
SurveyMonkey						

7	* 16	. How	much much	did	each	of th	he foll	owing	reso	urces	help	you	learn	about	NASA	internship	pro	ograms?
	(Se	lect o	ne per	row	)													

	Did not experience	Not at all	A little	Somewhat	Very much
NASA Internship website	0	0	0	0	0
NASA Internships on Facebook, Twitter, or other social media	0	0	0	0	0
NASA Internships brochure	0	0	0	0	0
Internship mentor	0	0	0	0	0
Presentations or information shared through the internship program	0	0	0	0	0
Participation in the internship program	0	0	0	0	0

# \* 17. How much did each of the following resources help you learn about careers at NASA? (Select one per row)

	Did not experience	Not at all	A little	Somewhat	Very much
NASA Internship website	0	0	0	0	0
NASA Internships on Facebook, Twitter, or other social media	0	0	0	0	0
NASA Internships brochure	0	0	0	0	0
Internship mentor	0	0	0	0	0
Presentations or information shared through the internship program	0	0	0	0	0
Participation in the internship program	0	0	0	0	0



\* 18. How SATISFIED were you with the following internship program features? (Select one per row)

	Did not experience	Not at all	A little	Somewhat	Very much			
Applying or registering for the program	0	0	0	0	0			
Other administrative tasks	0	0	0	0	0			
Communicating with internship program organizers	0	0	0	0	0			
Variety of STEM topics available to you through the program	0	0	0	0	0			
Teaching or mentoring provided during internship program activities	0	0	0	0	0			
Direct deposit availability	0	0	0	0	0			
Lunch and learn sessions	0	0	0	0	0			
* 19. How much input	did you have in se	electing your in	ternship research	n project? (Select	one)			
O I was assigned a p	roject by my mentor							
O I worked with my r	mentor to design a p	roject.						
I had a choice amo	ong various projects	suggested by m	y mentor.					
O I worked with my r	mentor and member	s of a research t	eam to design a pro	oject.				
* 20. How often was your mentor available to you during the internship program? Select one.								
O Less than half the time.								
About half the time of my project.								
O More than half of t	he time.							
Always available.								



* 21. To what extent did you work as part of a group or team during the internship program? (Select one)								
I worked alone (or along with my mentor).								
O I worked with others in a shared laboratory or other space, but we worked on different projects.								
O I worked alone on my project and I met with others regularly for general reporting or discussion.								
O I worked alone on	a project that was c	osely connected	l with projects of o	thers in my group.				
O I worked with a gro	oup who all worked o	on the same proj	ect.					
* 22. How SATISFIED	were you with eac	h of the followi	ing? (Select one	per row)				
My working	Did not experience	Not at all	A little	Somewhat	Very much			
relationship with my mentor	0	0	0	0	0			
The level of appreciation my mentor expressed towards me	0	0	0	0	0			
The level of interest my mentor expressed for me and my work	0	0	0	0	0			
My working relationship with my group	0	0	0	0	0			
The amount of time I spent with my mentor	0	0	0	0	0			
The research experience overall	0	0	0	0	0			
The focus on community building with other interns and NASA employees	0	0	0	0	0			
The contribution I was able to make to NASA's mission work	0	0	0	0	0			
The recruitment efforts I experienced to match me with a career at NASA	0	0	0	0	0			
My sense of belonging at NASA	0	0	0	0	0			
		Prev	Next					

\* 23. The list bellow includes effective teaching and mentoring strategies. From the list, please indicate which strategies your mentor(s) used when working with you in the internship program: (Select one per row)

	Yes - my mentor used this strategy with me	No – my mentor did not use this strategy with me
Used a variety of strategies to help me learn	0	0
Gave me extra support when I needed it	0	0
Encouraged me to share ideas with others who have a different backgrounds or viewpoints than I do	0	0
Allowed me to work on a team project or activity	0	0
Helped me learn or practice a variety of skills	0	0
Gave me feedback to help me improve	0	0
Talked to me about the education I need for my career	0	0
Recommended other NASA or industry programs that match my interests	0	0
Discussed careers with NASA or other federal agencies	0	0
	Prev Next  Powered by  SurveyMonkey	

24. Which of the follo that apply)	wing statements a	apply to your r	esearch experience	in the interns	hip? (Select all		
I presented a talk	or poster to other st	udents or facult	ty.				
I presented a talk	or poster at a profes	ssional symposiu	um or conference.				
☐ I attended a symp	osium or conference	э.					
☐ I wrote or co-wrote	e a paper that was/v	vill be published	l in a research journal				
☐ I wrote or co-wrote	e a technical paper (	or patent.					
☐ I will present a talk	k or poster to other	students or facu	ulty.				
I will present a talk	k or poster at a profe	essional sympos	sium or conference.				
☐ I will attend a sym	posium or conferen	ce.					
☐ I will write or co-w	rite a paper that wa	s/will be publish	ned in a research journ	nal.			
☐ I will write or co-w	rite a technical pape	er or patent.					
* 25. Rate your level of your participation i	_	-	_	ent knowledge Agree	e areas as a result Strongly agree		
In depth knowledge of a topic(s)	0	0	0	0	0		
Knowledge of research processes, ethics, and rules for conduct in research	0	0	0	0	0		
Knowledge of how scientists and engineers work on real problems	0	0	0	0	0		
Knowledge of what everyday research work is like	0	0	0	0	0		
Prev Next  Powered by  SurveyMonkey							

\* 26. Rate your level of agreement regarding if you experienced gains in these abilities areas as a result of your participation in the internship. (Select one per row)

	Strongly disagree	Disagree	Neither agree or disagree	Agree	Strongly agree
Creating a hypothesis or explanation that can be tested in an experiment/problem	0	0	0	0	0
Using my knowledge and creativity to suggest a solution to a problem	0	0	0	0	0
Making a model to show how something works	0	0	0	0	0
Identifying the limitations of the methods and tools used for collecting data	0	0	0	0	0
Carrying out an experiment and recording data accurately	0	0	0	0	0
Supporting an explanation with my knowledge	0	0	0	0	0
Identifying the strengths and limitations of data or arguments presented in technical texts	0	0	0	0	0
Presenting an argument that uses data and/or findings from an experiment or investigation	0	0	0	0	0
		Prev	Next		
		Powered Survey	•		



\* 27. Rate your level of agreement regarding if you experienced gains in these skills/abilities as a result of your participation in the internship. (Select one per row)

	Strongly disagree	Disagree	Neither disagree or agree	Agree	Strongly agree
Thinking creatively	0	0	0	0	0
Using my creative ideas to make a product	0	0	0	0	0
Thinking about how systems work and how parts interact with each other	0	0	0	0	0
Evaluating others' evidence, arguments, and beliefs	0	0	0	0	0
Solving problems	0	0	0	0	0
Communicating clearly (written and oral) with others	0	0	0	0	0
Collaborating with others effectively and respectfully in diverse teams	0	0	0	0	0
Accessing and evaluating information efficiently (time) and critically (evaluates sources)	0	0	0	0	0
Analyzing media (news) - understanding points of view in the media	0	0	0	0	0
Creating media products like videos, blogs, social media	0	0	0	0	0
Using technology as a tool to research, organize, evaluate, and communicate information	0	0	0	0	0
Adapting to change when things do not go as planned	0	0	0	0	0



\* 28. Rate your level of agreement regarding if you experienced gains in these areas as a result of your participation in the internship. (Select one per row)

	Strongly disagree	Disagree	Neither agree or disagree	Agree	Strongly agree
Interest in a new topic in my field	0	0	0	0	0
Deciding on a path to pursue a career in my field	0	0	0	0	0
Sense of accomplishing something in my field	0	0	0	0	0
Feeling prepared for more challenging activities in my field	0	0	0	0	0
Desire to build relationships with mentors who work in my field of study	0	0	0	0	0
Connecting a topic in my field to my personal values	0	0	0	0	0
		Prev	Next		



\* 29. As a result of your internship experience at NASA, which is primarily a STEM-focused organization, are you MORE or LESS likely to engage in the following activities in outside of school requirements or activities? (Select one per row)

	Much less likely	Less likely	About the same before and after	More likely	Much more likely
Watch or read non- fiction STEM	0	0	0	0	0
Tinker (play) with a mechanical or electrical device	0	0	0	0	0
Talk with friends or family about STEM	0	0	0	0	0
Mentor or teach other students about STEM	0	0	0	0	0
Help with a community service project related to STEM	0	0	0	0	0
Participate in a STEM camp, club, or competition	0	0	0	0	0
Work on a STEM project or experiment in a university or professional setting	0	0	0	0	0

Prev	Next				
Powe	red by				
SurveyMonkey					

* 30. Prior to participating in your internship, how far did you want to go in school? (Select one)
O Finish college (get a bachelor's degree)
Get a master's degree
◯ Get a Ph.D.
Get another professional degree (law, business, etc.)
Other (please specify)
* 31. After you have participated in your internship, how far do you want to go in school? (Select one)
O Finish college (get a bachelor's degree)
Get a master's degree
◯ Get a Ph.D.
O Get another professional degree (law, business, etc.)
Other (please specify)

* 32. How many jobs/careers did you learn about in your internship program? (Select one)
○ None
O 1
○ 2
<b>○</b> 3
<b>○</b> 4
○ 5 or more
* 33. How many NASA jobs/careers did you learn about in your internship program? (Select one)
○ None
<b>○</b> 1
○ <sup>2</sup>
○ 3
O 4
○ 5 or more
Powered by SurveyMonkey

* 34. Rate your level of agreement regarding the following statements as a result of your participation in	
the internship. (Select one per row)	

	Strongly disagree	Disagree	Neither agree or disagree	Agree	Strongly agree
I am more confident in my knowledge, skills, abilities	0	0	0	0	0
I am more interested in participating in STEM activities outside of college requirements	0	0	0	0	0
I am more aware of other internship opportunities	0	0	0	0	0
I am more interested in participating in other internships	0	0	0	0	0
I am more interested in taking STEM classes at my college	0	0	0	0	0
I am more interested in pursuing a career with a STEM-focused organization	0	0	0	0	0
I am more aware of NASA research and careers	0	0	0	0	0
I have a greater appreciation of NASA	0	0	0	0	0
I am more interested in pursuing a career with NASA	0	0	0	0	0

35	. Did partici	pating in	the NASA	OSTEM	Internship	Program	enable y	ou to	grow yo	our cor	nfidence	in
do	ing work in	your field	d? Please p	rovide ai	n example.							

		,
		_//

	participant in the NASA OSTEM Internship Program, did you feel like you were a ture? Explain why or why not.
	elf as a person working in STEM more now as a result of your participation in the
NASA OSTEM Intern	ship Program?
* 38. What are the th	ree most important ways that the internship program has helped you?
1.	
2.	
3.	
* 39. What are three	ways that the internship program should be improved for future participants?
1.	
2.	
3.	
40. How would you d	lescribe your overall experience during the NASA Pathways Internship Program?
○ Excellent	
O Very good	
○ Good	
O Poor	
O Very poor	
	Prev Done  Powered by
	♠ SurveyMonkey <sup>-</sup>