

NASA Internships Survey

As a participant in NASA Internships, you have been selected to take part in a brief questionnaire to test a future survey for clarity and comprehensibility of the questions therein. Your responses to this survey are completely confidential and will not be stored with any identifying information. Thank you for your cooperation! If you wish to participate in this test survey, please continue to the next page.

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 XXXX-XXXX and expires XX/XX/XXXX.

1. Which site did you participate? (Select One) w 0

- Ames Research Center
- Armstrong Flight Research Center
- Glenn Research Center
- Goddard Space Flight Center
- Independent Verification and Validation (IV&V)
- Facility Jet Propulsion Laboratory
- Johnson Space Center
- Kennedy Space Center
- Langley Research Center
- Michoud Assembly Facility (MAF)
- Marshall Space Flight Center
- NASA Headquarters
- NASA Shared Services Center (NSSC)
- Stennis Space Center
- Wallops Flight Facility (WFF)
- White Sands Complex (WSC)
- White Sands Test Facility (WSTF)

2. Was your internship experience in-person or virtual? w 0

- In-person
- Virtual
- Hybrid (contained both in-person and virtual elements)

3. What is your gender? (Select One) w 0

- Female
- Male
- Do not wish to provide

4. What is your ethnicity? (Select One) w 0

- Hispanic or Latino

- Not Hispanic or Latino Do not wish to
- provide

5. What is your race? (Select as many as apply). w 0

American Indian or Alaskan Native

Asian

Black or African American

Native Hawaiian or Other Pacific

Islander White

Do not wish to provide

6. Do you have a disability? w 0

Yes

No

Do not wish to provide

7. Is English your first/native language? (Select One) w 0

Yes

No

Choose not to Report

8. Has at least one of your parents/guardians graduated from college? (Select One) w 0

Yes

No

Do not wish to provide

9. What is your current grade level in school? (Select One) w 0

High School Freshman

High School

Sophomore High

School Junior

High School Senior

College Freshman

College Sophomore

College Junior

College Senior

Graduate

Program

Do not wish to

provide Other (please

specify)

10. Have you ever received or are you eligible for a Pell Grant (needs based) at your university? (Select One) w 0

Yes

No

Do not wish to provide

Not applicable (I am not a college student)

11. When in high school, are/were you able to receive free lunch?(Select One) w 0

Yes

No

Do not wish to

provide Other (please

specify)

12. Where is/was your high school located? (Select One) w 0

Urban

Rural

Suburban

Do not wish to provide

13. How often did you do each of the following in STEM classes at school over the past year? Select one per row. w 0

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

14. 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	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Work with a STEM researcher on a project of your own choosing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Design my own research or investigation based on my own question(s)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Present my STEM research to a panel of judges from a relevant industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Interact with STEM researchers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use laboratory procedures and tools	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Identify questions or problems to investigate	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Analyze data or information and draw conclusions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Work collaboratively as part of a team	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Build or make a computer model	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

15. How much did each of the following resources help you learn about NASA internship programs? Select one per row. w 0

	Did not experience	Not at all	A little	Somewhat	Very much
NASA Internship website	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
NASA Internships on Facebook, Twitter, or other social media	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
NASA Internships brochure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Internship mentor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Presentations or information shared through the internship program	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Participation in the internship program	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

16. How much did each of the following resources help you learn about STEM careers at NASA? Select one per row. w 0

	Did not experience	Not at all	A little	Somewhat	Very much
NASA Internship website	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
NASA Internships on Facebook, Twitter, or other social media	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
NASA Internships brochure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Internship mentor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Presentations or information shared through the internship program	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Participation in the internship program	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

17. How SATISFIED were you with the following internship program features? Select one per row. w 0

	Did not experience	Not at all	A little	Somewhat	Very much
Applying or registering for the program	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other administrative tasks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Communicating with internship program organizers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Physical location of your internship activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Variety of STEM topics available to you in the internship program	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Teaching or mentoring provided during internship program activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Direct deposit payment availability	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lunch & Learn sessions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

18. How much input did you have in selecting your internship research project? Select one. w 0

- I was assigned a project by my mentor.
- I worked with my mentor to design a project.
- I had a choice among various projects suggested by my mentor.
- I worked with my mentor and members of a research team to design a project.

19. How often was your mentor available to you during the internship program? Select one. w 0

- Less than half the time.
- About half the time of my project.
- More than half of the time.
- Always available.

20. To what extent did you work as part of a group or team during the internship program? Select one. w 0

- I worked alone (or along with my mentor).
- I worked with others in a shared laboratory or other space, but we worked on different projects.
- I worked alone on my project and I met with others regularly for general reporting or discussion.
- I worked alone on a project that was closely connected with projects of others in my group.
- I worked with a group who all worked on the same project.

21. How SATISFIED were you with each of the following? Select one per row. w 0

	Did not experience	Not at all	A little	Somewhat	Very much
My working relationship with my mentor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
My working relationship with my group	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The amount of time I spent doing meaningful research/work	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The amount of time I spent with my mentor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The research experience overall	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

22. The list below 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: w 0

Yes – my mentor used this strategy with me

No – my mentor did not use this strategy with me

Helped me become aware of STEM in my everyday life

Helped me understand
how I can use STEM to

Used a variety of strategies to help me learn

improve my community

Gave me extra support
when I needed it

Encouraged me to share ideas with others who have a different backgrounds or viewpoints than I do

Allowed me to work on a
team project or activity

Helped me learn or practice a variety of STEM skills

Gave me feedback to
help me improve in

Talked to me about the education I need for a STEM career

STEM

Recommended other
NASA or industry
programs that match my
interests

Discussed STEM careers with NASA or other federal agencies

23. Which of the following statements apply to your research experience in the internship? Select all that apply. w 0

- I presented a talk or poster to other students or faculty.
- I presented a talk or poster at a professional symposium or conference. I attended a symposium or conference.
- I wrote or co-wrote a paper that was/will be published in a research journal. I wrote or co-wrote a technical paper or patent.
- I will present a talk or poster to other students or faculty.
- I will present a talk or poster at a professional symposium or conference. I will attend a symposium or conference.
- I will write or co-write a paper that was/will be published in a research journal. I will write or co-write a technical paper or patent.

24. Rate your level of agreement about your gains in the following STEM knowledge areas as a result of your participation in the internship. w 0

	Strongly disagree	Disagree	Neither agree or disagree	Agree	Strongly agree
In depth knowledge of a STEM topic(s)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Knowledge of research processes, ethics, and rules for conduct in STEM	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Knowledge of how scientists and engineers work on real problems in STEM	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Knowledge of what everyday research work is like in STEM	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

25. Which category best describes the focus of your internship activities? Select one. w 0

Science

Technology

Engineering

Mathematics

Other (please

specify)

26. Rate your level of agreement with if you experienced gains in these abilities areas as a result of your participation in the internship. w 0

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

27. Rate your level of agreement with if you experienced gains in these skills/abilities as a result of your participation in the internship. w 0

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

28. Rate your level of agreement with if you experienced gains in these areas as a result of your participation in the internship. w 0

	Strongly disagree	Disagree	Neither agree or disagree	Agree	Strongly agree
Interest in a new STEM topic	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Deciding on a path to pursue a STEM career	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sense of accomplishing something in STEM	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Feeling prepared for more challenging STEM activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Patience for the slow pace of STEM research	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Desire to build relationships with mentors who work in STEM	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Connecting a STEM topic or field to my personal values	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

29. As a result of your internship experience, are you MORE or LESS likely to engage in the following activities in STEM outside of school requirements or activities? w 0

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

30. Prior to participating in your internship, how far do you want to go in school? Select one. w 0

- 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. w 0

- Finish college (get a bachelor's degree)
- Get more education after college
- Get a master's
- degree Get a Ph.D.
- Get a medical-related (M.D.), veterinary degree (D.V.M.), or dental degree (D.D.S.)
- Get a combined M.D./Ph.D.
- Get another professional degree (law, business, etc.)

32. How interested are you in participating in future NASA programs? Select one. w 0

- Not at all
- A little
- Somewhat
- Very much

33. How many jobs/careers in STEM did you learn about in your internship program? Select one. w 0

- None
- 1
- 2
- 3
- 4
- 5 or more

34. How many NASA STEM jobs/careers did you learn about in your internship program? Select one. w 0

- None
- 1
- 2
- 3
- 4
- 5 or more

35. Rate your level of agreement with with the following statements as a result of your participation in the internship. w 0

	Strongly disagree	Disagree	Neither agree or disagree	Agree	Strongly agree
I am more confident in my STEM knowledge, skills, abilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am more interested in participating in STEM activities outside of college requirements	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am more aware of other internship opportunities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am more interested in participating in other internships	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am more interested in taking STEM classes at my college	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am more interested in pursuing a career in STEM	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am more aware of NASA research and careers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have a greater appreciation of NASA	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am more interested in pursuing a STEM career with NASA	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

36. What are the three most important ways that the internship program has helped you? w 0

1.
2.
3.

37. What are three ways that the internship program should be improved for future participants? w 0

1.
2.
3.

38. Please tell us about your overall satisfaction with your internship experience. w 0

39. How many minutes did it take you to read the instructions and answer the questions? w 0

40. Please indicate the level to which you agree or disagree with each statement. w 0

	Strongly disagree	Disagree	Neither agree or disagree	Agree	Strongly agree
The survey instructions were clear.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The questions were easy to understand.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>