

NATIONAL SCIENCE FOUNDATION

INTERNATIONAL RESEARCH EXPERIENCES FOR STUDENTS (IRES) EVALUATION

2019

SURVEY OF FORMER PARTICIPANTS

Notice

An agency may not conduct or sponsor, and a person is not required to respond to, an information collection unless it displays a valid Office of Management and Budget (OMB) control number. The OMB control number for this collection is XXXX and expires on mm/dd/yy. Public reporting burden for this collection of information is estimated to average [XXX] minutes to complete the survey, including the time for reviewing instructions. Send comments regarding the burden estimate and any other aspect of this collection of information, including suggestions for reducing this burden, to:

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Reports Clearance Officer
Division of Administrative Services
National Science Foundation
Alexandria, VA 22314
splimpto@nsf.gov | (703) 292-7556

CONTINUE

These questions aim to confirm your eligibility for this survey and rely on information Dr. <First name Last name> at <INSTITUTION> provided to the National Science Foundation (NSF).

| S1. | Is your nam | e <first initial="" last="" middle="" name="">?</first> | | | | |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| | O No, my r | is my name. name has changed or is misspelled or incomplete. Ask My full name (including middle name or initial) is: Text box, xx not the person named above. Go to screen out language on next page | | | | |
| | Source: Adap | ted from PIRE Grad Survey A1a | | | | |
| S2. | • | all participating in an international research experience as part of the National Science International Research Experiences for Students (IRES) program? | | | | |
| | O Yes O No O I am not | < Qualify, go to S5.a. to confirm country and subsequent information > sure | | | | |
| S3. | Do you recall participating in an international research experience with or organized by Dr. <first last="" name=""> at <institution>?</institution></first> | | | | | |
| | O Yes O No O I am not | < Qualify, go to S5.a. to confirm country and subsequent information > sure | | | | |
| S4. | Did you con | nduct research in another country while you were an undergraduate or graduate student? | | | | |
| | O Yes O No | <go language="" next="" on="" out="" page="" screen="" to=""></go> | | | | |
| S5.a. | In which co | untry was the research conducted? | | | | |
| | Drop down menu with about 20 known countries of participation in this cohort plus Other | | | | | |
| | <if other=""> Please specify the country: Text box, xx</if> | | | | | |
| S5.b. | Did you conduct the research abroad during [YEAR]? | | | | | |
| | O Yes O No | <ask> In what year(s) did you conduct the research? Text box, xx</ask> | | | | |
| S5.c. | At the time you conducted the international research were you: | | | | | |
| | Select all tha | at apply | | | | |
| S5.c1. | ☐ An under☐ A gradua | rgraduate student te student | | | | |

S5.c2. Enrolled in [UNIVERSITY]

O Yes

O No <Ask>

In what university or universities were you enrolled when you conducted the international research? Text box, xx

[If screened out]

Your answers indicate that you are <u>not</u> the intended person for this survey.

Thank you for your time!

[If screened in]

Your answers indicate that you qualify for this survey!

You may have had multiple international research experiences in your career. Please provide responses thinking of your FIRST international research experience as part of the IRES program.

If you do not recall participating in IRES, please think of your FIRST international research experience.

If you need to stop before you have finished, please click on the Suspend button at the bottom of each page to exit the survey. The data you provide prior to clicking will be securely stored and available when you return to complete the survey.

For security purposes, you will be timed out if you are idle for longer than 30 minutes.

Click here to continue

Please tell us about your experience participating in IRES

| 1. | How many times did you participate in IRES? | | | | | | |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| | O Once | | | | | | |
| | O Twice or more | <if note:="" so,=""></if> | If you participated in the IRES program more than once, please think about your <u>first</u> IRES experience when answering the remainder of this survey. | | | | |
| | O Don't know | <if note:="" so,=""></if> | If you do not recall participating in IRES, please think of your <u>first</u> international experience in answering this and all other questions. | | | | |
| 2. | Toward what degree were yo experience? | ou working when | you participated in the IRES international research | | | | |
| | O Other – Specify type | g., BS, BA, AB) , MS, MA, MBA) , DSc, EdD) egree (e.g., JD, L : Text box, xx | LB, MD, DDS, DVM) – Specify type: Text box, xx A degree) into Q16 of NSCG 2015 | | | | |
| 3. a | | - | BA/BS degree>. What was your college/university class nternational research experience? | | | | |
| | Incoming freshman Freshman Sophomore Junior Senior 4th year of a 5-year p Other, please explain Source: REU Data System | Text box, xx | | | | | |
| 3.b | <if answer="" doct="" in="" ires<="" is="" ms,="" participate="" q2="" td="" the="" you=""><td></td><td>professional degree>. In what year of graduate school did arch experience?</td></if> | | professional degree>. In what year of graduate school did arch experience? | | | | |
| | First year Second year Third or more years Other, please explain | ı: Text box, xx | | | | | |
| 4. | What was the primary field of Select the field that is close. | | degree? f studies: <drop broad="" down="" fields="" menu="" with=""></drop> | | | | |

| 1 | Agriculture Business and Production | |
|----|-------------------------------------------------|--|
| 2 | Agricultural Sciences | |
| 3 | Architecture/Environmental Design | |
| 4 | Biological/Life Sciences | |
| 5 | Business Management/Administrative Services | |
| 6 | Communications | |
| 7 | Computer and information sciences | |
| 8 | Conservation and Renewable Natural Resources | |
| 9 | Criminal Justice/Protective Services | |
| 10 | Education | |
| 11 | Engineering | |
| 12 | Engineering-Related Technologies | |
| 13 | Languages, Linguistics, Literature/Letters | |
| 14 | Health and Related Sciences | |
| 15 | Home Economics | |
| 16 | Law/Prelaw/Legal Studies | |
| 17 | Liberal Arts/General Studies | |
| 18 | Library Science | |
| 19 | Mathematics and Statistics | |
| 20 | Parks, Recreation, Leisure, and Fitness Studies | |
| 21 | Philosophy, Religion, Theology | |
| 22 | Physical Sciences | |
| 23 | Psychology | |
| 24 | Public Affairs | |
| 25 | Social Work | |
| 26 | Social Sciences and History | |
| 27 | Visual and Performing Arts | |
| 28 | Other Fields (Not Listed) | |

Source: Question wording from NSCG 2015 D17, response options from NSCG 2015 list pp. 20-21, instruction in italics is new

5. Before traveling abroad for your research experience, what was your proficiency level in the primary language spoken in your host country?

Please remember to provide responses thinking of your FIRST international research experience—as part of the IRES program if you remember participating in IRES.

| O No | proficiency (may be able to make simple statements but with very limited overall |
|-------------|----------------------------------------------------------------------------------|
| und | lerstanding of the language) |
| O No | vice level (able to communicate short, simple messages on familiar topics) |
| O Inte | ermediate level (able to have discussions on familiar topics) |
| O Adv | vanced level (able to understand and participate in any conversations) |
| O Nat | tive or bilingual level (complete fluency) |
| Source: New | |

6. Which of the following did you do as part of your IRES international research experience?

| Select all that apply |
|----------------------------------------------------------------------------------------|
| ☐ Developed the ideas, hypotheses, broad framework, or vision for the research project |
| ☐ Researched literature relevant to the project |
| ☐ Developed instrumentation, software, equipment, or data collection processes |
| ☐ Synthesized or fabricated materials |
| ☐ Prepared samples or specimens |
| ☐ Conducted fieldwork or field observations |
| ☐ Collected data from a lab or office or carried out simulations |
| □ Analyzed data |

| Ple | □ Interpreted results □ Planned or developed follow-up work based on results □ Prepared summaries of results for dissemination (in publications or presentations) □ Presented my work to other students, faculty or researchers (in a seminar, conference or other venue) □ Mentored other students conducting research or led a student research team Source: Adapted from EAPSI E4 ease tell us about your experience BEFORE participating in IRES |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7. | a. Had you participated in any research prior to participating in the IRES program? OYes |
| | O_{No} |
| | b. <if 7a="Yes" q=""> When did you participate in prior research?</if> |
| | Select all that apply |
| | ☐ During one academic year (typically ~10 hr/week for at least one semester) ☐ During one summer (typically full time for at least six weeks) ☐ During multiple academic years and/or summers Source: SURE follow-up survey, question wording tailored to name IRES and to add the word "experience" |
| 8. | Before your IRES international research experience, had you done any of the following? |
| | Select all that apply |
| | □ Attended elementary or secondary school in another country (outside the U.S.) □ Lived outside the U.S. for six months longer □ Participated in a study abroad program □ Spent a semester or more pursuing research outside the U.S. □ Visited another country for leisure □ Collaborated on research with someone based in another country □ Published research with someone based in another country □ Attended or presented scholarly work at a research conference in another country □ Participated on a research team with a scientist who was visiting my group from a foreign institution □ Worked with a colleague who had completed the IRES program □ None of the above <if get="" options="" other="" selected,="" unmarked=""></if> Source: Adapted from IRFP C4 (added response options 3, 4 and 5) |
| 9. | Before you traveled to the international research site, did you receive any of the following supports from IRES faculty and staff? |
| | Select all that apply |
| Sor | ☐ Foreign language instruction ☐ Country orientation (covering culture, politics, customs etc.) ☐ Training in research techniques ☐ Other: Text box, xx wree: New |

Please tell us about support activities **AFTER** your IRES experience

| Did you receive any of the following supports from IRES faculty and staff after you returned from the international research site? |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Select all that apply |
| □ Academic support (scientific/research advice, academic planning) □ Reference letter to apply for further education or job □ Assistance developing a publication or presentation based on research conducted while abroad. □ Support finding other research opportunities □ Guidance on how to maintain the professional contacts developed at the host institution □ Help obtaining financial support to continue research you started on the IRES project □ Mentoring on how to integrate the research conducted at the host institution into future research. □ Other: Text box, xx Source: Adapted from EAPSI advisor survey D1 and E1 |
| Since the end of your IRES experience, have you collaborated or communicated with your foreign host? |
| O Yes O No Source: Adapted from IRFP F1 |
| <if q11="yes"> How did you collaborate or communicate with your foreign host since the end of your IRES experience?</if> |
| Select all that apply |
| □ We brainstormed / exchanged ideas □ We exchanged / shared data, research results, or tools □ We co-authored papers or grant proposals □ My foreign host provided letters of reference □ I had a position at the foreign host's institution or group (analyst, postdoc, mentor, or other) □ I participated again as an undergraduate or graduate student or post-doctoral fellow in a program offered by the host's institution □ Other - Please specify Text box, xx Source: IRFP F1a |
| |

The next questions focus on benefits of the IRES program

13. How satisfied were you with the following aspects of your experience with the IRES program:

| | Very dissatisfied | Somewhat dissatisfied | Neutral | Somewhat satisfied | Very satisfied | Not applicable |
|-----------------------------------------------------------------------------------|----------------------|-----------------------|------------|--------------------|-------------------|-------------------|
| a. Lab or field equipment | 1 O | 2 Q | 3 Q | 4 O | 5 Q | 6 Q |
| b. Support and guidance from U.S. faculty involved in IRES | 1 Q | 2 🔾 | 3 O | 4 O | 5 Q | 6 O |
| c. Support and guidance from the foreign host or other foreign senior researchers | 1 Q | 2 Q | 3 Q | 4 Q | 5 Q | 6 O |
| d. Support and guidance from graduate U.S. students involved in IRES | 1 🔾 | 2 Q | 3 Q | 4 O | 5 Q | 6 O |
| e. Support and guidance from undergraduate U.S. students involved in IRES | 1 Q | 2 Q | 3 Q | 4 O | 5 Q | 6 Q |
| f. Research group meetings | 1 O | 2 O | 3 Q | 4 O | 5 Q | 6 O |
| g. Group social activities | 1 O | 2 O | 3 O | 4 O | 5 O | 6 O |
| h. The IRES program in general | 1 O | 2 Q | 3 O | 4 O | 5 O | 6 O |

Source: Adapted from URSSA 11 and CISE REU a la carte 24

| 14 | What were | the most | valuable as | pects of your | experience | with the | IRES | programs |
|-----|-----------|-----------|-------------|---------------|---------------|----------|------|----------|
| 17. | what were | tile most | varuabic as | pects of your | . CAPCIICITCE | with the | | program: |

| | Text box, xxx | | |
|---|---------------|--|--|
| 1 | | | |

Source: Adapted from EAPSI E3

15. What would have made the IRES experience more useful or impactful to you?

| Text box, xxx | |
|---------------|--|
| | |

Source: New

16. Please rate how much you learned about the following during your IRES research experience:

| | Nothing at all | A little bit | A good amount | A great deal |
|---------------------------------------------------------------------------------------------------|----------------|--------------|---------------|--------------|
| a. Writing a research proposal | 1 O | 2 Q | 3 Q | 4 Q |
| b. Giving an effective oral presentation | 1 O | 2 O | 3 Q | 4 Q |
| c. Writing technical and scientific text | 1 O | 2 O | 3 Q | 4 Q |
| d. Ethics in scientific research | 1 O | 2 Q | 3 O | 4 O |
| e. Laboratory or research techniques | 1 O | 2 O | 3 O | 4 O |
| f. The nature of the job of a researcher | 1 O | 2 Q | 3 O | 4 O |
| g. Working collaboratively with others | 1 O | 2 O | 3 O | 4 O |
| h. Identifying appropriate research methods and designs | 1 Q | 2 Q | 3 Q | 4 O |
| i. Formulating a research hypothesis that could be answered with data | 1 Q | 2 Q | 3 Q | 4 O |
| j. Analyzing data and interpreting results | 1 O | 2 Q | 3 O | 4 O |
| k. Understanding the theories and concepts guiding a research project | 1 O | 2 Q | 3 O | 4 O |
| Defending an argument when asked questions | 1 O | 2 Q | 3 O | 4 O |
| m. Ability to work collaboratively | 1 O | 2 Q | 3 O | 4 O |
| n. Self-confidence in ability to contribute to knowledge through research | 1 O | 2 Q | 3 O | 4 O |
| o. Applying and participating in conferences | 1 O | 2 Q | 3 O | 4 O |
| p. Career options in research | 1 O | 2 Q | 3 O | 4 O |

Source: Adapted from REU CISE a la carte.

17. How much do you agree with the following statements?

| | | Strongly Disagree | Disagree | Neutral | Agree | Strongly Agree | Not applic able |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------|------------|------------|-------------------|-----------------------|
| a. | My research benefited from access to expertise of foreign partners in my field. | 1 O | 2 O | 3 O | 4 O | 5 Q | 6 O |
| b. | My research benefited from access to data, equipment or facilities available in foreign locations. | 1 Q | 2 Q | 3 Q | 4 Q | 5 O | 6 O |
| c. | My research benefited from access to place- based phenomena that occur outside the U.S. (e.g., biological, geological, cultural phenomena). | 1 O | 2 Q | 3 Q | 4 O | 5 Q | 6 Q |
| d. | Regulatory, bureaucratic or administrative procedures in a foreign country hindered the progress of my research. | 1 O | 2 Q | 3 Q | 4 O | 5 Q | 6 Q |
| e. | Exposure to different cultural perspectives improved the quality of my research. | 1 O | 2 Q | 3 O | 4 O | 5 Q | 6 O |
| f. | Cultural differences hindered the progress of my research. | 1 O | 2 O | 3 O | 4 O | 5 Q | 6 O |
| g. | Language differences hindered the progress of my research. | 1 O | 2 Q | 3 Q | 4 O | 5 Q | 6 O |
| h. | My work abroad opened up new areas of investigation. | 1 O | 2 Q | 3 Q | 4 O | 5 Q | 6 O |
| i. | I made valuable professional connections. | 1 O | 2 O | 3 Q | 4 O | 5 Q | 6 O |
| j. | Participating in IRES made me more competitive for jobs. | 1 Q | 2 Q | 3 O | 4 O | 5 Q | 6 O |
| k. | Participating in IRES made me consider professional opportunities I would not have considered in the past. | 1 Q | 2 Q | 3 Q | 4 Q | 5 Q | 6 Q |

Source: Adapted from PIRE grad survey C4 and EAPSI Applicant Survey F3 [consider alternatives for order delivery]

18. Has the IRES experience influenced your short- and/or long-term professional goals?

| Select all that apply |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ¹ ☐ IRES encouraged me to pursue further education (e.g., graduate school, post-doc, etc.) ² ☐ IRES helped solidify my interest in a research or academic career ³ ☐ IRES helped solidify my interest in science ⁴ ☐ IRES helped me change my career plans |
| <if selected=""> Please explain how your plans changed: Text box, xx O None of the above. My professional goals did not change as a result of participating in the IRES</if> |
| Source: New |

19. Since participating, have you recommended the IRES program to a friend or colleague?

OYes

ONo

Source: New

Please tell us about yourself

| 20. | What is the highest degree you have earned? |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | O Associate's degree (e.g., AA, AS) O Bachelor's degree (e.g., BS, BA, AB) O Master's degree (e.g., MS, MA, MBA) O Doctorate (e.g., PhD, DSc, EdD) O Other professional degree (e.g., JD, LLB, MD, DDS, DVM) – Specify type: Text box, xx O Other – Specify type: Text box, xx Source: Added one response option from Q7 (AA degree) into Q16 of NSCG 2015 |
| 21. | In what year was your highest degree awarded? |
| | Year: Number box |
| | Source: Adapted from NSCG 2015 D11 |
| 22. | What was your <degree above="" from=""> major or primary field of study?</degree> |
| | [Drop down menu with broad fields as shown in Q4] Source: NSCG 2015 and REU Data System |
| 23. | Were you working for pay or profit during the week of [REFERENCE DATE]? |
| | Working includes being a student on paid work-study, self-employed and did not get paid that week, on a postdoctoral appointment, on vacation from work, on personal leave, paid sick leave, on travel while employed, or on any type of paid on unpaid leave, including vacation. |
| | Q Yes <go 25="" to=""></go> |
| | O No Source: NSCG 2015 A1, wording in italics adapted to be more comprehensive |
| 24. | What were your reasons for not working during the week of [REFERENCE DATE]? |
| | Select all that apply |
| | □ Retired □ On layoff from a job □ Student □ Family responsibilities □ Chronic illness or permanent disability □ Suitable job not available □ Did not need or want to work □ Other - Specify Text box, xx Source: NSCG 2015 A3, excluded retirement date if selected retired |
| | <go q28="" to=""></go> |

| 2 Clerical/Administrative Support Occupations 3 Clergy/Other Religious Workers 4 Computer Occupations 5 Consultants 6 Counselons 7 Engineering Technologists/Technicians/Surveyors 8 Engineering Technologists/Technicians/Surveyors 9 Farmers/Foresters/Fishermen 10 Health Occupations 11 Lawyers/Judges 12 Librarians/Atchivists/Curators 13 Managers and Supervisors, First0Lian 14 Managers, Top-level Executives/Administrators 15 Managers, Other 16 Management-Related Occupations 17 Mathematical Scientists 18 Physical Scientists 19 Research Associates/Assistants 20 Sales/Marketing Occupations 21 Service Occupations, Except Health 22 Social Scientists 23 Social Workers 24 Teachers—Precollege 25 Teachers/Professors—Postsecondary 26 Teachers—Other 27 Writers/Editors/Public Relations Specialists/Arrists/Entertainers/Broadcasters 28 Other Professions 29 Other Occupations in tisted) Source: Adapted from NSCG 2015 AV to select job titles from NSCG pages 18-19 instead of inserting job code 26. Did your duties on this job require the technical expertise of a bachelor's degree or higher in O Engineering, computer science, math, or the natural sciences O The social sciences O Some other field (e.g., health, business, or education). Specify: Text box, xx Source: NSCG 2015 A19 27. Did your duties on this job require you to collaborate with foreign investigators? O Yes O No Source: New | | 1 | Biological/Life Scientists |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|-----------------------------------------------------------------------------------------------------------|
| 4 Computer Occupations 5 Consultants 6 Consultants 6 Consultants 6 Consultants 6 Consultants 7 Engineers/Architects 8 Engineering Technologists/Technicians/Surveyors 9 Farmers/Foresters/Fahemen 10 Health Occupations 11 Lawyers/Jodges 12 Librations/Architects/Contors 13 Managers and Supervisors, FirstOtine 14 Managers, Other 15 Managers, Other 16 Managers, Other 17 Managers and Supervisors, FirstOtine 18 Physical Scientists 19 Research Associates/Assiatats 18 Physical Scientists 19 Research Associates/Assiatats 10 Sales/Marketing Occupations 21 Service Occupations, Except Health 22 Social Workers 23 Social Workers 24 Teachers—Precollege 25 Teachers/Professors—Postsecondary 26 Teachers/Postsors-Postsecondary 27 Teachers/Postsors 28 Other Professors 29 Other Occupations (socialisted) 28 Source: Adapted from NSCG 2015 A7 to select job titles from NSCG pages 18-19 instead of inserting job code 26. Did your duties on this job require the technical expertise of a bachelor's degree or higher in O Engineering, computer science, math, or the natural sciences O The social sciences O Some other field (e.g., health, business, or education). Specify: Text box, xx Source: NSCG 2015 A19 27. Did your duties on this job require you to collaborate with foreign investigators? O Yes O No Source: New 28. In addition to IRES, have you participated in any other program funded by the National Science Foundation—such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? O Yes, in the following program(s): Text box, xx | | | |
| 5 Consultants 6 Counselors 7 Engineering Technologists/Technicians/Surveyors 8 Pagineering Technologists/Technicians/Surveyors 9 Parmers/Foresters/Fishermen 10 Health Occupations 11 Lawyers/Judges 12 Librarians/Archivists/Curators 13 Managers, and Supervisors, First0Line 14 Managers, Top-level Faccuritys/Administrators 15 Managers, and Supervisors, First0Line 16 Managemen-Related Occupations 17 Mathematical Scientists 18 Physical Scientists 19 Research Associates/Assistants 20 Sales/Marketing Occupations 21 Service Occupations, Except Health 22 Social Scientists 23 Social Workers 24 Teachers—Precollege 25 Teachers—Other 27 Writers/Fldotor/Public Relations Specialists/Artists/Entertainers/Broadcasters 28 Other Occupations (not listed) Sourse: Adapted from NSCG 2015A7 to select job titles from NSCG pages 18-19 instead of inserting job code 26. Did your duties on this job require the technical expertise of a bachelor's degree or higher in © Engineering, computer science, math, or the natural sciences © The social sciences © Some other field (e.g., health, business, or education). Specify: Text box, xx Source: NSCG 2015 A19 27. Did your duties on this job require you to collaborate with foreign investigators? © Yes © No Source: New 28. In addition to IRES, have you participated in any other program funded by the National Science Foundation — such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? O Yes, in the following program(s): Text box, xx O No | | 3 | Clergy/Other Religious Workers |
| 6 Courselors 7 Engineers/Architects 8 Engineering Technologists/Technicians/Surveyors 9 Earmers/Foresters/Foresters/Teshermen 10 Health Occupations 11 Lawyers/Judges 12 Librarians/Archivists/Curators 13 Managers, To-level Executives/Administrators 14 Managers, To-level Executives/Administrators 15 Managers, Other 16 Management Related Occupations 17 Mathematical Scientists 18 Physical Scientists 19 Research Associates/Assistants 20 Sales/Markeing Occupations 21 Service Occupations, Except Health 22 Social Workers 23 Social Workers 24 Teachers—Precollege 25 Teachers—Professors—Postsecondary 26 Teachers—Other 27 Watters/Eddinos/Public Relations Specialists/Artists/Entertainers/Broadcasters 28 Other Professors 29 Other Occupations (not listed) Source: Adapted from NSCG 2015 A7 to select job titles from NSCG pages 18-19 instead of inserting job code 26. Did your duties on this job require the technical expertise of a bachelor's degree or higher in O Engineering, computer science, math, or the natural sciences O The social sciences O Some other field (e.g., health, business, or education). Specify: Text box, xx Source: NSCG 2015 A19 27. Did your duties on this job require you to collaborate with foreign investigators? O Yes O No Source: New 28. In addition to IRES, have you participated in any other program funded by the National Science Foundation — such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? O Yes, in the following program(s): Text box, xx O No | | | |
| 7 Engineeric Technologists/Technicians/Surveyors 9 Farmers/Foresters/Fishermen 10 Health Occupations 11 Lawyers/Indiges 11 Lawyers/Indiges 12 Libertains/Archivets/Curators 13 Managers and Supervisors, FirstOLine 14 Managers, Top-level Executives/Administrators 15 Managers and Supervisors, FirstOLine 16 Management Related Occupations 17 Mathematical Scientists 18 Physical Scientists 19 Research Associates/Assistants 20 Sales/Marketing Occupations 21 Service Occupations, Except Health 22 Social Scientists 23 Social Workers 24 Teachers—Precollege 25 Teachers—Other 27 Writers/Edicor/Public Relations Specialists/Artists/Entertainers/Broadcasters 28 Other Occupations (not listed) Source: Adapted from NSCG 2015A7 to select job titles from NSCG pages 18-19 instead of inserting job code 26. Did your duties on this job require the technical expertise of a bachelor's degree or higher in O Engineering, computer science, math, or the natural sciences O The social sciences O Some other field (e.g., health, business, or education). Specify: Text box, xx Source: NSCG 2015 A19 27. Did your duties on this job require you to collaborate with foreign investigators? O Yes O No Source: New 28. In addition to IRES, have you participated in any other program funded by the National Science Foundation — such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? O Yes, in the following program(s): Text box, xx O No | | | |
| 8 Engineering Technologists/Technicians/Surveyors 9 Farmers/Prostersers/Fishermen 10 Health Occupations 11 Lawyers/Judges 12 Libratians/Archivists/Curators 13 Managers and Supervisors, FirstOLine 14 Managers, Depleved Executives/Administrators 15 Managers, Other 16 Management-Related Occupations 17 Mathematical Scientists 18 Physical Scientists 19 Research Associates/Assistants 20 Sales/Marketing Occupations 21 Service Occupations, Except Health 22 Social Scientists 23 Social Workers 24 Teachers—Other 25 Teachers/Professors—Postsecondary 26 Teachers/Professors—Postsecondary 27 Weiters/Editors/Public Relations Specialists/Artists/Entertainers/Broadcasters 28 Other Professions 29 Other Occupations (not listed) Source: Adapted from NSCG 2015 A7 to select job titles from NSCG pages 18-19 instead of inserting job code 26. Did your duties on this job require the technical expertise of a bachelor's degree or higher in O Engineering, computer science, math, or the natural sciences O The social sciences O Some other field (e.g., health, business, or education). Specify: Text box, xx Source: NSCG 2015 A19 27. Did your duties on this job require you to collaborate with foreign investigators? O Yes O No Source: New 28. In addition to IRES, have you participated in any other program funded by the National Science Foundation — such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? O Yes, in the following program(s): Text box, xx | | | |
| 9 Farmers/Foresters/Fishemen 10 Health Occupations 11 Lawyers/Judges 12 Librarians/Archivists/Cuntors 13 Managers and Supervisors, First0Line 14 Managers, Top-level Executives/Administrators 15 Managers, Other 16 Managers, Other 16 Managers, Other 17 Mathematical Scientists 18 Physical Scientists 19 Research Associates/Assistants 20 Sales/Marketing Occupations 21 Service Occupations, Except Health 22 Social Scientists 23 Social Workers 24 Teachers—Precollege 25 Teachers—Precollege 25 Teachers—Precollege 26 Teachers—Precollege 27 Writers/Editors/Public Relations Specialists/Artists/Entertainers/Broadcasters 28 Other Professors—Postsecondary 29 Other Occupations (not listed) Source: Adapted from NSCG 2015 A7 to select job titles from NSCG pages 18-19 instead of inserting job code 26. Did your duties on this job require the technical expertise of a bachelor's degree or higher in © Engineering, computer science, math, or the natural sciences © The social sciences © Some other field (e.g., health, business, or education). Specify: Text box, xx Source: NSCG 2015 A19 27. Did your duties on this job require you to collaborate with foreign investigators? © Yes © No Source: New 28. In addition to IRES, have you participated in any other program funded by the National Science Foundation — such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? © Yes, in the following program(s): Text box, xx | | | · · |
| 110 Health Occupations 111 Lawyers/Judges 112 Libratiuss/Archivists/Curators 113 Managers and Supervisors, FirstOLine 114 Managers, Opt-evel Executives/Administrators 115 Managers, Opt-evel Executives/Administrators 116 Management-Related Occupations 117 Mathematical Scientists 118 Physical Scientists 119 Research Associates/Assistants 120 Sales/Marketing Occupations 121 Service Occupations, Except Health 122 Social Scientists 123 Social Workering Occupations 123 Social Workers 124 Teachers—Precollege 125 Teachers-Professors—Postsecondary 126 Teachers—Other 127 Writers/Editors/Public Relations Specialists/Arrists/Entertainers/Broadcasters 129 Other Professions 129 Other Professions 129 Other Occupations (not listed) Source: Adapted from NSCG 2015 AT to select job titles from NSCG pages 18-19 instead of inserting job code 126. Did your duties on this job require the technical expertise of a bachelor's degree or higher in O Engineering, computer science, math, or the natural sciences O The social sciences O Some other field (e.g., health, business, or education). Specify: Text box, xx Source: NSCG 2015 A19 27. Did your duties on this job require you to collaborate with foreign investigators? O Yes O No Source: New 28. In addition to IRES, have you participated in any other program funded by the National Science Foundation — such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? O Yes, in the following program(s): Text box, xx | | | |
| 11 Lawpers/Judges 12 Libratanist/Activists/Curations 13 Managers and Supervisors, Firstfll.ine 14 Managers, Top-level Executives/Administrators 15 Managers, Orber 16 Managers, Orber 16 Managers, Orber 17 Mathematical Scientists 18 Physical Scientists 18 Physical Scientists 19 Research Associates/Assistants 20 Sales/Marketing Occupations 21 Service Occupations, Except Health 22 Social Scientists 23 Social Workers 24 Teachers—Precollege 25 Teachers—Precollege 26 Teachers—Protessors—Postscoondary 26 Teachers—Orber 27 Writers/Editors/Public Relations Specialists/Artists/Entertainers/Broadcasters 28 Other Professors 29 Other Occupations (not listed) Source: Adapted from NSCG 2015 A7 to select job titles from NSCG pages 18-19 instead of inserting job code Source: Adapted from NSCG 2015 A7 to select job titles from NSCG pages 18-19 instead of inserting job code Source: Nature Source: Nature | | | |
| 12 Librarians/Archvists/Curators 13 Managers and Supervisors, FirstOline 14 Managers, Top-level Executives/Administrators 15 Managers, Other 16 Managers, Other 17 Mathematical Scientists 18 Physical Scientists 19 Research Associates/Assistants 20 Sales/Marketing Occupations 21 Service Occupations, Except Health 22 Social Scientists 23 Social Workers 24 Teachers—Precollege 25 Teachers/Professors—Postsecondary 26 Teachers-Professors—Postsecondary 27 Teachers-Professors—Postsecondary 28 Other Professions 29 Other Professions 29 Other Professions 29 Other Occupations (not listed) Source: Adapted from NSCG 2015 A7 to select job titles from NSCG pages 18-19 instead of inserting job code Occupations, computer science, math, or the natural sciences Occupations Occupations | | 11 | |
| 14 Managers, Top-level Executives/Administrators 15 Managers, Other 16 Management-Related Occupations 17 Mathematical Scientists 18 Physical Scientists 19 Research Associates/Assistants 20 Sales/Marketing Occupations 21 Service Occupations, Except Health 22 Social Scientists 23 Social Workers 24 Teachers—Precollege 25 Teachers/Professors—Postsecondary 26 Teachers—Other 27 Writers/Editors/Public Relations Specialists/Artists/Entertainers/Broadcasters 28 Other Professions 29 Other Orecapations (not listed) Source: Adapted from NSCG 2015 A7 to select job titles from NSCG pages 18-19 instead of inserting job code Occupations 26 Did your duties on this job require the technical expertise of a bachelor's degree or higher in Occupations Comparison Compa | | 12 | |
| 15 Managers, Other 16 Management Related Occupations 17 Mathematical Scientists 18 Physical Scientists 19 Research Associates/Assistants 20 Sales/Marketing Occupations 21 Service Occupations, Except Health 22 Social Scientists 23 Social Workers 24 Teachers—Precollege 25 Teachers/Professors—Postsecondary 26 Teachers—Other 27 Writers/Editors/Public Relations Specialists/Artists/Entertainers/Broadcasters 28 Other Professions 29 Other Occupations (not listed) Source: Adapted from NSCG 2015 A7 to select job titles from NSCG pages 18-19 instead of inserting job code 26. Did your duties on this job require the technical expertise of a bachelor's degree or higher in © Engineering, computer science, math, or the natural sciences © The social sciences © Some other field (e.g., health, business, or education). Specify: Text box, xx Source: NSCG 2015 A19 27. Did your duties on this job require you to collaborate with foreign investigators? © Yes © No Source: New 28. In addition to IRES, have you participated in any other program funded by the National Science Foundation — such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? © Yes, in the following program(s): Text box, xx | | 13 | |
| 16 Management-Related Occupations 17 Mathematical Scientists 18 Physical Scientists 19 Research Associates/Assistants 20 Sales/Markeing Occupations 21 Service Occupations, Except Health 22 Social Scientists 23 Social Workers 24 Teachers—Precollege 25 Teachers/Professors—Postsecondary 26 Teachers/Professors—Postsecondary 27 Writers/Editors/Public Relations Specialists/Artists/Entertainers/Broadcasters 28 Other Professions 29 Other Occupations (not listed) Source: Adapted from NSCG 2015A7 to select job titles from NSCG pages 18-19 instead of inserting job code 26. Did your duties on this job require the technical expertise of a bachelor's degree or higher in O Engineering, computer science, math, or the natural sciences O Some other field (e.g., health, business, or education). Specify: Text box, xx Source: NSCG 2015 A19 27. Did your duties on this job require you to collaborate with foreign investigators? O Yes O No Source: New Source: New O No O No Source: New O No O No Source: New O No O | | | · · · |
| 17 Mathematical Scientists 18 Physical Scientists 19 Research Associates/Assistants 20 Sales/Marketing Occupations 21 Service Occupations, Except Health 22 Social Workers 23 Social Workers 24 Teachers—Precollege 25 Teachers—Other 27 Writers/Editors/Public Relations Specialists/Artists/Entertainers/Broadcasters 28 Other Professions 29 Other Occupations (not listed) Source: Adapted from NSCG 2015A7 to select job titles from NSCG pages 18-19 instead of inserting job code 26. Did your duties on this job require the technical expertise of a bachelor's degree or higher in O Engineering, computer science, math, or the natural sciences O The social sciences O Some other field (e.g., health, business, or education). Specify: Text box, xx Source: NSCG 2015 A19 27. Did your duties on this job require you to collaborate with foreign investigators? O Yes O No Source: New 28. In addition to IRES, have you participated in any other program funded by the National Science Foundation – such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? O Yes, in the following program(s): Text box, xx O Yes, in the following program(s): Text box, xx | | | |
| 18 Physical Scientiss 19 Research Associates/Assistants 20 Sales/Marketing Occupations 21 Service Occupations, Except Health 22 Social Scientists 23 Social Workers 24 Teachers—Precollege 25 Teachers/Professors—Postsecondary 26 Teachers—Other 27 Writers/Editors/Public Relations Specialists/Artists/Entertainers/Broadcasters 28 Other Professions 29 Other Occupations (not listed) Source: Adapted from NSCG 2015A7 to select job titles from NSCG pages 18-19 instead of inserting job code 26. Did your duties on this job require the technical expertise of a bachelor's degree or higher in O Engineering, computer science, math, or the natural sciences O The social sciences O Some other field (e.g., health, business, or education). Specify: Text box, xx Source: NSCG 2015 A19 27. Did your duties on this job require you to collaborate with foreign investigators? O Yes O No Source: New 28. In addition to IRES, have you participated in any other program funded by the National Science Foundation – such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? O Yes, in the following program(s): Text box, xx O No | | | |
| 19 | | | |
| 20 Sales/Marketing Occupations 21 Service Occupations, Except Health 22 Social Scientsts 23 Social Workers 24 Teachers—Precollege 25 Teachers—Potessors—Postsecondary 26 Teachers—Other 27 Writers/Editors/Public Relations Specialists/Artists/Entertainers/Broadcasters 28 Other Professions 29 Other Occupations (not listed) Source: Adapted from NSCG 2015 A7 to select job titles from NSCG pages 18-19 instead of inserting job code 26. Did your duties on this job require the technical expertise of a bachelor's degree or higher in O Engineering, computer science, math, or the natural sciences O The social sciences O Some other field (e.g., health, business, or education). Specify: Text box, xx Source: NSCG 2015 A19 27. Did your duties on this job require you to collaborate with foreign investigators? O Yes O No Source: New 28. In addition to IRES, have you participated in any other program funded by the National Science Foundation – such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? O Yes, in the following program(s): Text box, xx | | | |
| 21 Service Occupations, Except Health 22 Social Scientists 23 Social Workers 24 Teachers—Precollege 25 Teachers—Other 27 Writers/Editors/Public Relations Specialists/Artists/Entertainers/Broadcasters 28 Other Professions 29 Other Occupations (not listed) Source: Adapted from NSCG 2015 A7 to select job titles from NSCG pages 18-19 instead of inserting job code 26. Did your duties on this job require the technical expertise of a bachelor's degree or higher in © Engineering, computer science, math, or the natural sciences © The social sciences © Some other field (e.g., health, business, or education). Specify: Text box, xx Source: NSCG 2015 A19 27. Did your duties on this job require you to collaborate with foreign investigators? © Yes © No Source: New 28. In addition to IRES, have you participated in any other program funded by the National Science Foundation — such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? © Yes, in the following program(s): Text box, xx | | | |
| 22 Social Workers 23 Social Workers 24 Teachers—Precollege 25 Teachers—Precollege 26 Teachers—Other 27 Writers/Editors/Public Relations Specialists/Artists/Entertainers/Broadcasters 28 Other Professions 29 Other Professions 29 Other Professions 20 Other Professions 21 Other Professions 22 Other Professions 23 Other Professions 25 Other Professions 26 Other Professions 27 Other Scapes 18-19 instead of inserting job code 26 Did your duties on this job require the technical expertise of a bachelor's degree or higher in 27 Engineering, computer science, math, or the natural sciences 28 Osme other field (e.g., health, business, or education). Specify: Text box, xx Source: NSCG 2015 A19 27 Did your duties on this job require you to collaborate with foreign investigators? 29 Yes 20 No Source: New 28 In addition to IRES, have you participated in any other program funded by the National Science Foundation — such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? 20 Yes, in the following program(s): Text box, xx | | | |
| 24 Teachers—Precollege 25 Teachers/Professors—Postsecondary 26 Teachers—Other 27 Writers/Editors/Public Relations Specialists/Artists/Entertainers/Broadcasters 28 Other Professions 29 Other Professions 20 Other Occupations (not listed) Source: Adapted from NSCG 2015 A7 to select job titles from NSCG pages 18-19 instead of inserting job code 26. Did your duties on this job require the technical expertise of a bachelor's degree or higher in O Engineering, computer science, math, or the natural sciences O The social sciences O Some other field (e.g., health, business, or education). Specify: Text box, xx Source: NSCG 2015 A19 27. Did your duties on this job require you to collaborate with foreign investigators? O Yes O No Source: New 28. In addition to IRES, have you participated in any other program funded by the National Science Foundation — such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? O Yes, in the following program(s): Text box, xx O No | | 22 | |
| 25 Teachers/Professors—Postsecondary 26 Teachers—Other 27 Writers/Editors/Public Relations Specialists/Artists/Entertainers/Broadcasters 28 Other Professions 29 Other Occupations (not listed) Source: Adapted from NSCG 2015A7 to select job titles from NSCG pages 18-19 instead of inserting job code 26. Did your duties on this job require the technical expertise of a bachelor's degree or higher in O Engineering, computer science, math, or the natural sciences O The social sciences O Some other field (e.g., health, business, or education). Specify: Text box, xx Source: NSCG 2015 A19 27. Did your duties on this job require you to collaborate with foreign investigators? O Yes O No Source: New 28. In addition to IRES, have you participated in any other program funded by the National Science Foundation — such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? O Yes, in the following program(s): Text box, xx O No | | 23 | Social Workers |
| 26 Teachers—Other 27 Writers/Editors/Public Relations Specialists/Artists/Entertainers/Broadcasters 28 Other Professions 29 Other Occupations (not listed) Source: Adapted from NSCG 2015A7 to select job titles from NSCG pages 18-19 instead of inserting job code 26. Did your duties on this job require the technical expertise of a bachelor's degree or higher in © Engineering, computer science, math, or the natural sciences © The social sciences © Some other field (e.g., health, business, or education). Specify: Text box, xx Source: NSCG 2015 A19 27. Did your duties on this job require you to collaborate with foreign investigators? © Yes © No Source: New 28. In addition to IRES, have you participated in any other program funded by the National Science Foundation – such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? © Yes, in the following program(s): Text box, xx © No | | | |
| 27 Writers/Editors/Public Relations Specialists/Artists/Entertainers/Broadcasters 28 Other Professions 29 Other Occupations (not listed) Source: Adapted from NSCG 2015A7 to select job titles from NSCG pages 18-19 instead of inserting job code 26. Did your duties on this job require the technical expertise of a bachelor's degree or higher in © Engineering, computer science, math, or the natural sciences © The social sciences © Some other field (e.g., health, business, or education). Specify: Text box, xx Source: NSCG 2015 A19 27. Did your duties on this job require you to collaborate with foreign investigators? © Yes © No Source: New 28. In addition to IRES, have you participated in any other program funded by the National Science Foundation – such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? © Yes, in the following program(s): Text box, xx © No | | | · |
| 28 Other Professions 29 Other Occupations (not listed) Source: Adapted from NSCG 2015A7 to select job titles from NSCG pages 18-19 instead of inserting job code 26. Did your duties on this job require the technical expertise of a bachelor's degree or higher in © Engineering, computer science, math, or the natural sciences © The social sciences © Some other field (e.g., health, business, or education). Specify: Text box, xx Source: NSCG 2015 A19 27. Did your duties on this job require you to collaborate with foreign investigators? © Yes © No Source: New 28. In addition to IRES, have you participated in any other program funded by the National Science Foundation – such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? © Yes, in the following program(s): Text box, xx © No | | | |
| Source: Adapted from NSCG 2015A7 to select job titles from NSCG pages 18-19 instead of inserting job code 26. Did your duties on this job require the technical expertise of a bachelor's degree or higher in © Engineering, computer science, math, or the natural sciences © The social sciences © Some other field (e.g., health, business, or education). Specify: Text box, xx Source: NSCG 2015 A19 27. Did your duties on this job require you to collaborate with foreign investigators? © Yes © No Source: New 28. In addition to IRES, have you participated in any other program funded by the National Science Foundation — such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? © Yes, in the following program(s): Text box, xx © No | | | · · · · · · · · · · · · · · · · · · · |
| Source: Adapted from NSCG 2015A7 to select job titles from NSCG pages 18-19 instead of inserting job code 26. Did your duties on this job require the technical expertise of a bachelor's degree or higher in © Engineering, computer science, math, or the natural sciences © The social sciences © Some other field (e.g., health, business, or education). Specify: Text box, xx Source: NSCG 2015 A19 27. Did your duties on this job require you to collaborate with foreign investigators? © Yes © No Source: New 28. In addition to IRES, have you participated in any other program funded by the National Science Foundation – such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? © Yes, in the following program(s): Text box, xx © No | | | |
| 26. Did your duties on this job require the technical expertise of a bachelor's degree or higher in Q Engineering, computer science, math, or the natural sciences Q The social sciences Q Some other field (e.g., health, business, or education). Specify: Text box, xx Source: NSCG 2015 A19 27. Did your duties on this job require you to collaborate with foreign investigators? Q Yes Q No Source: New 28. In addition to IRES, have you participated in any other program funded by the National Science Foundation – such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? Q Yes, in the following program(s): Text box, xx Q No | | | |
| ☑ Engineering, computer science, math, or the natural sciences ☑ The social sciences ☑ Some other field (e.g., health, business, or education). Specify: Text box, xx Source: NSCG 2015 A19 27. Did your duties on this job require you to collaborate with foreign investigators? ☑ Yes ☑ No Source: New 28. In addition to IRES, have you participated in any other program funded by the National Science Foundation – such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? ☑ Yes, in the following program(s): Text box, xx ☑ No | | 30011 | e. Adapted from 183CG 201921/ to select foot titles from 183CG pages 16-19 instead of inserting foot tode |
| O The social sciences O Some other field (e.g., health, business, or education). Specify: Text box, xx Source: NSCG 2015 A19 27. Did your duties on this job require you to collaborate with foreign investigators? O Yes O No Source: New 28. In addition to IRES, have you participated in any other program funded by the National Science Foundation – such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? O Yes, in the following program(s): Text box, xx O No | 26. | Did your | duties on this job require the technical expertise of a bachelor's degree or higher in |
| O Some other field (e.g., health, business, or education). Specify: Text box, xx Source: NSCG 2015 A19 27. Did your duties on this job require you to collaborate with foreign investigators? O Yes O No Source: New 28. In addition to IRES, have you participated in any other program funded by the National Science Foundation – such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? O Yes, in the following program(s): Text box, xx O No | | O E | ngineering, computer science, math, or the natural sciences |
| Source: NSCG 2015 A19 27. Did your duties on this job require you to collaborate with foreign investigators? O Yes O No Source: New 28. In addition to IRES, have you participated in any other program funded by the National Science Foundation – such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? O Yes, in the following program(s): Text box, xx O No | | TO | ne social sciences |
| Source: NSCG 2015 A19 27. Did your duties on this job require you to collaborate with foreign investigators? O Yes O No Source: New 28. In addition to IRES, have you participated in any other program funded by the National Science Foundation – such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? O Yes, in the following program(s): Text box, xx O No | | O So | ome other field (e.g., health, business, or education). Specify: Text hox xx |
| 27. Did your duties on this job require you to collaborate with foreign investigators? O Yes O No Source: New 28. In addition to IRES, have you participated in any other program funded by the National Science Foundation – such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? O Yes, in the following program(s): Text box, xx O No | | | |
| O Yes O No Source: New 28. In addition to IRES, have you participated in any other program funded by the National Science Foundation – such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? O Yes, in the following program(s): Text box, xx O No | | Sourc | : NSCG 2015 A19 |
| O No Source: New 28. In addition to IRES, have you participated in any other program funded by the National Science Foundation – such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? O Yes, in the following program(s): Text box, xx O No | 27. | Did your | duties on this job require you to collaborate with foreign investigators? |
| O No Source: New 28. In addition to IRES, have you participated in any other program funded by the National Science Foundation – such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? O Yes, in the following program(s): Text box, xx O No | | O Yes | |
| 28. In addition to IRES, have you participated in any other program funded by the National Science Foundation – such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? O Yes, in the following program(s): Text box, xx O No | | | |
| 28. In addition to IRES, have you participated in any other program funded by the National Science Foundation – such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? Q Yes, in the following program(s): Text box, xx Q No | | | ī |
| Foundation – such as Research Experiences for Undergraduates (REU), International Research Fellowship Program (IRF), Graduate Research Fellowship Program (GRFP), etc.? O Yes, in the following program(s): Text box, xx O No | | Source: 1 | lew |
| O No | 28. | Founda | ion – such as Research Experiences for Undergraduates (REU), International Research |
| | | | n the following program(s): Text box, xx |
| | | | \mathbb{T}_{en} |

| 29. | . Have you applied for a research grant to the National Science Foundation as a principal investigator or co-principal investigator? | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| | O Yes O No Source: New | | | | |
| 30. | Since participating in IRES, how many of the following works have you produced as an author, co-author, inventor, co-inventor, developer, or co-developer? Make your best approximation if you do not know the exact number. | | | | |
| | Total number (enter 0 if none) | | | | |
| a. | Conference abstracts, posters or presentations (including any published in conference proceedings) Number box, xx | | | | |
| b | Scientific publication in a peer-reviewed journal Number box, xx | | | | |
| c. | Patents, registered or pending, provisional or non-provisional Number box, xx | | | | |
| d | Other products that have been disseminated to the scholarly community or public (e.g., educational material, software application, dataset, database) | | | | |
| | Source: Adapted from PIRE grad survey C2a | | | | |
| | <if q30a="">=1> Did any of these conference abstracts, posters or presentations include a foreign collaborator?</if> | | | | |
| <if q30b="">=1> Did any of these publications include a foreign collaborator?</if> | | | | | |
| | <if q30c="">=1> Did any of these patents include a foreign collaborator?</if> | | | | |
| | <if q30d="">=1> Did any of these products include a foreign collaborator?</if> | | | | |
| NSF seeks participation in its activities among different groups, including men and women, minorities and nonminorities, people with and without disabilities, and others. Please help us measure attainment of this goal by answering a few additional questions. | | | | | |
| 31. | Ethnicity O Hispanic or Latino O Not Hispanic or Latino O I do not wish to provide this information | | | | |
| | Source: REU Data System. Modified from the GRPF Application. Adapted the last response option from "Do not wish to provide ethnicity" to "I do not wish to provide this information". | | | | |

| 32. | Race Select all that apply | | | |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| | □ American Indian or Alaskan Native | | | |
| | □ Asian | | | |
| | □ Black or African American | | | |
| | □ Native Hawaiian or Other Pacific Islander | | | |
| | □ White | | | |
| | ☐ I do not wish to provide this information <if get="" other="" selected,="" selections="" unmarked=""> Source: REU Data System. Modified from the GRFP Application. Adapted the last response option from "Do not wish provide race" to "I do not wish to provide this information".</if> | | | |
| 33. | Sex assigned at birth on your original birth certificate | | | |
| | O Male | | | |
| | O Female | | | |
| | O I do not wish to provide this information | | | |
| | Source: Mathematica memo on "Measuring Gender," based on Williams Institute at the University of California Los Angeles (UCLA) | | | |
| 34. | Veteran Status | | | |
| | A veteran is a person who served in the active military, naval, or air service and who was discharged o | | | |
| | released under conditions other than dishonorable. | | | |
| | O Veteran | | | |
| | O Not veteran | | | |
| | O I do not wish to provide this information | | | |
| | Source: REU Data System. Modified from the GRFP Application to include a definition from 38 CFR. Adapted the last response option from "Do not wish to provide" to "I do not wish to provide this information". | | | |

35. What is the <u>usual</u> degree of difficulty you have with...

This question is designed to help us better understand the career paths of individuals with specific difficulties.

| | | None | Slight | Moderate | Severe | Unable to do |
|----|----------------------------------------------------------------------------------------------------------------|------------|------------|------------|------------|--------------|
| a. | SEEING words or letters in ordinary newsprint (with glasses/contact lenses, if you usually wear them)? | 1 Q | 2 Q | 3 Q | 4 O | 5 🔾 |
| b. | HEARING what is normally said in conversation with another person (with hearing aid, if you usually wear one)? | 1 Q | 2 Q | 3 Q | 4 Q | 5 🔾 |
| c. | WALKING or using stairs without human or mechanical assistance? | 1 Q | 2 O | 3 Q | 4 O | 5 Q |
| d. | LIFTING or carrying something as heavy as 10 pounds, such as a bag of groceries? | 1 O | 2 Q | 3 Q | 4 O | 5 Q |
| e. | CONCENTRATING, REMEMBERING, or MAKING DECISIONS because of a physical, mental, or emotional condition? | 1 Q | 2 Q | 3 Q | 4 O | 5 Q |
| f. | I do not wish to provide this information | 6 Q | | | | |

Source: REU Data System. Adapted from the NSCG 2015 E14 to include 'I do not wish to provide this information'.

36. What is the highest level of education completed by your parents or guardians?

| | Mother or female | Father or male |
|--------------------------------------------------------------------|------------------|----------------|
| | guardian | guardian |
| Less than high school completed | O | O |
| High school diploma or equivalent | O | O |
| Some college, vocational, or trade school | • | O |
| (including 2-year degrees) Bachelor's degree (e.g., BS, BA, AB) | • | O |
| Master's degree (e.g., MS, MA, MBA) | • | O |
| Professional degree (e.g., JD, LLB, MD,DDs, | O | O |
| Doctorate (e.g., PhD, DSc, EdD) | O | O |
| Not applicable | • | • |
| Don't know | O | O |

Source: Adapted from the National Survey of Recent College Graduates 2010 (D6). Added "Don't know" as a response category.

| 37. | Were either of your parents or guardians born outside of the United States? |
|-----|-----------------------------------------------------------------------------|
| | O Yes |
| | O No |
| | O I do not wish to provide this information |
| | Source: New |

| | Please use the space below to share additional thoughts or comments about the IRES program or to rovide clarifications on your responses to this survey. | | | | |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| | Text box, xxx | | | | |

Thank you for taking the time to fill out this survey!

Click here to submit and exit this survey