

Participant outcome survey

A. CURRENT ENROLLMENT STATUS

Please mark one answer for each question about your current enrollment status.

1. Are you currently enrolled in a Bachelor's degree program?

1 ☐ Yes → END SURVEY

0 ☐ No

Source: Mathematica

2. Are you currently enrolled in a master's or doctoral degree program?

1 ☐ Yes

0 ☐ No → GO TO SECTION B

Source: GRFP, Q1 (slightly adapted)

3. Are your current graduate studies supported by the NSF Graduate Research Fellowships Program (GRFP)?

1 ☐ Yes

0 ☐ No

Source: GRFP, Q2 (slightly adapted)

B. CURRENT EMPLOYMENT

Please mark one answer for each question about your current enrollment status.

4. Were you working for pay or profit during the week of February 1, 2021?

Working includes being self-employed, on a postdoctoral appointment, traveling while employed, or on any type of paid or unpaid leave, including vacation.

1 ☐ Yes → GO TO QUESTION 6

0 ☐ No

Source: NSCG 2015 QA1, adapted to use 2021 instead of 2015 as the reference year.

5. What were your reasons for not working during the week of February 1, 2021?

Mark Yes or No for each item

	YES	NO
a. Retired		
If Yes: Year Retired __ __ __ __	1 ☐	0 ☐
b. On layoff from a job	1 ☐	0 ☐

	Mark Yes or No for each item	
	YES	NO
c. Student.....	1 ☐	0 ☐
d. Family responsibilities	1 ☐	0 ☐
e. Chronic illness or permanent disability	1 ☐	0 ☐
f. Suitable job not available.....	1 ☐	0 ☐
g. Did not need or want to work	1 ☐	0 ☐
h. Other – Specify _____	1 ☐	0 ☐

Source: NSCG 2015, QA3

6. What was the title of the principal job you held during the week of February 1, 2021?

Example: Physics professor

Source: NSCG 2015 QA5, adapted to use 2021 instead of 2015 as the reference year.

7. What kind of work were you doing on this job -- that is, what were your duties and responsibilities on your principal job? Please be as specific as possible, including any area of specialization.

Example: Taught physics and conducted research. Specialized in high energy physics.

Source: NSCG 2015, QA6

8. Did your duties on this job require the technical expertise of a bachelor's degree or higher in...

- 1) Engineering, computer science, math, or the natural sciences
- 2) The social sciences
- 3) Some other field (e.g., health, business, or education). Specify: _____

Source: NSCG 2015, QA19

9. Using the job categories below, choose the code that best describes the principal job you held during the week of February 1, 2021.

[Dropdown menu with job codes shown at the end of the survey]

Source: NSCG 2015, QA7

10. Who was your principal employer for this position?

If your employer had more than one location, report the location that employed you.

If you worked for a contracting or consulting company, report the name of that company, not the client organization.

a.	Employer name	_____
b.	Department/Division	_____
c.	City/Town	_____
d.	State/Territory	_____
e.	ZIP Code	_____

Source: NSCG 2015 QA9, revised to read “this position” instead of “during the week of February 1, 2021” and shortened the explanatory text.

11. For how long did you work for this employer in any position (enter number of years and months)?

__	__	__	__
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Years Months

Source: GRFP, Q12.

12. What was that employer's main business or industry — that is, what did that employer make or do?

If your principal employer had more than one type of business, report the type of business primarily performed at the location where you worked.

Example: Production of microprocessor chips.

Source: NSCG 2015, QA10.

13. Which one of the following best describes your employer? Were you ... Select one answer.

- 1 ☐ Self-employed or business owner
- 2 ☐ Private sector employee
- 3 ☐ Government employee
- 4 ☐ Another type of employee. Specify _____

Source: Adapted from NSCG 2015, QA13, to ask for the large categories (e.g., government employee) and not the sub-categories (e.g., in a local government, in a state government, in the US military, etc). Also revised to read “your employer” instead of “your principal employer during the week of February 1, 2021”

14. Was your employer an educational institution?

1 ☐ Yes

0 ☐ No → GO TO QUESTION 16

Source: NSCG 2015, QA14, revised to read as “your employer” instead of “your principal employer”.

15. Was the educational institution where you worked a...

Mark one answer.

- 1 ☐ Preschool, elementary, middle, or secondary school or system
- 2 ☐ Two-year college, community college, or technical institute
- 3 ☐ Four-year college or university, other than a medical school
- 4 ☐ Medical school (including university-affiliated hospital or medical center)
- 5 ☐ University-affiliated research institute
- 6 ☐ Other – Specify

Source: NSCG 2015, QA15.

16. How would you rate your overall satisfaction with the principal job you held during the week of February 1, 2021?

Mark one answer.

- 1 ☐ Very satisfied
- 2 ☐ Somewhat satisfied
- 3 ☐ Somewhat dissatisfied
- 4 ☐ Very dissatisfied

Source: NSCG 2015, QA29, adapted to use 2021 instead of 2015 as the reference year.

17. Do you think your NSF REU experience has affected your career ...

- 1 ☐ Significantly
- 2 ☐ Moderately
- 3 ☐ A little
- 4 ☐ Not at all

Source: GRFP, Q55, adapted for REU

18. Please describe how the NSF REU experience has affected your career.

Source: GRFP, Q55, adapted for REU

C. RECENT EDUCATIONAL EXPERIENCES

19. The next few questions ask about the degrees you received before February 1, 2021. Starting with your most recent college or university degree, please provide the following information for each degree you have received after high school graduation. *If you have more than three degrees, report your two most recent degrees and your first bachelor's degree.*

[These will be programmed as three sequential questions for online administration.]

MOST RECENT DEGREE	SECOND MOST RECENT DEGREE	THIRD MOST RECENT DEGREE
a. From which school did you receive your most recent degree?	a. From which school did you receive your most recent degree?	a. From which school did you receive your most recent degree?
College or University Name _____ — Department _____ City/Town _____ State/Foreign Country _____	College or University Name _____ Department _____ City/Town _____ State/Foreign Country _____	College or University Name _____ Department _____ City/Town _____ State/Foreign Country _____
b. In what month and year was this degree awarded?	b. In what month and year was this degree awarded?	b. In what month and year was this degree awarded?
Month Year	Month Year	Month Year
c. What type of degree did you receive?	c. What type of degree did you receive?	c. What type of degree did you receive?
Mark one answer. 1 ☐ Associate's or two-year college degree (e.g., AA) 2 ☐ Bachelor's degree (e.g., BS, BA, AB) 3 ☐ Master's degree (e.g., MS, MA, MBA) 4 ☐ Doctorate (e.g., PhD, DSc, EdD) 5 ☐ Other professional degree (e.g., JD, LLB, MD, DDS, DVM) – Specify	Mark one answer. 1 ☐ Associate's or two-year college degree (e.g., AA) 2 ☐ Bachelor's degree (e.g., BS, BA, AB) 3 ☐ Master's degree (e.g., MS, MA, MBA) 4 ☐ Doctorate (e.g., PhD, DSc, EdD) 5 ☐ Other professional degree (e.g., JD, LLB, MD, DDS, DVM) – Specify	Mark one answer. 1 ☐ Associate's or two-year college degree (e.g., AA) 2 ☐ Bachelor's degree (e.g., BS, BA, AB) 3 ☐ Master's degree (e.g., MS, MA, MBA) 4 ☐ Doctorate (e.g., PhD, DSc, EdD) 5 ☐ Other professional degree (e.g., JD, LLB, MD, DDS, DVM) – Specify

MOST RECENT DEGREE	SECOND MOST RECENT DEGREE	THIRD MOST RECENT DEGREE

MOST RECENT DEGREE	SECOND MOST RECENT DEGREE	THIRD MOST RECENT DEGREE
d. What is the major field of study and second major (if any) for this degree?	d. What type of degree did you receive?	d. What type of degree did you receive?
MAJOR FIELD OF STUDY _____	MAJOR FIELD OF STUDY _____	MAJOR FIELD OF STUDY _____
SECOND MAJOR _____	SECOND MAJOR _____	SECOND MAJOR _____
e. Using the FIELD OF STUDY list below, choose the code that <u>best</u> describes the major field of study and second major (if any) for this degree?	e. Using the FIELD OF STUDY list below, choose the code that <u>best</u> describes the major field of study and second major (if any) for this degree?	e. Using the FIELD OF STUDY list below, choose the code that <u>best</u> describes the major field of study and second major (if any) for this degree?
Code for Major Field of Study _ _ _	Code for Major Field of Study _ _ _	Code for Major Field of Study _ _ _
Code for Second Major _ _ _	Code for Second Major _ _ _	Code for Second Major _ _ _

[Dropdown menu with institutions from IPEDS]

[Dropdown menu with Major codes shown at the end of the survey]

Source: NSCG QD11, adapted to ask about any degrees received after high school, not just on bachelor's degree or higher.

Thank you for completing this questionnaire.

JOB CODES

	Major occupational category	Minor occupational category	Detailed occupational category	
Science occupations	Biological/agricultural/other life scientists	Agricultural/food scientists	021	Agricultural and food scientists
		Biochemists/biophysicists	022	Biochemists and biophysicists
		Biological scientists	023	Biological scientists
		Forestry/conservation scientists	024	Forestry and conservation scientists
		Medical scientists	025	Medical scientists (excluding practitioners)
		Postsecondary teachers, agricultural/other natural sciences	271	Postsecondary teachers, agriculture
			297	Postsecondary teachers, other natural sciences
		Postsecondary teachers, biological sciences	273	Postsecondary teachers, biological sciences
		Other biological/agricultural/life scientists	027	Other biological and life scientists
	Computer and information scientists		051	Computer and information scientists, research
			052	Computer network architect
			054	Computer support specialists
			055	Computer system analysts
			056	Database administrators
			057	Information security analysts
			058	Network and computer systems administrators
			059	Software developers -- applications and systems software
			060	Web developers
			061	Other computer and information science occupations
			088	Computer engineers, software

	Postsecondary teachers, computer science	276	Postsecondary teachers, computer science
Mathematical scientists	Mathematical scientists	172	Mathematicians
		173	Operations research analysts, including modeling
		174	Statisticians
		176	Other mathematical scientists
	Postsecondary teachers, math/statistics	286	Postsecondary teachers, mathematics and statistics
Physical scientists	Chemists, except biochemists	193	Chemists, except biochemists
	Earth/atmospheric/ocean scientists	192	Atmospheric and space scientists
		194	Geologists, including earth scientists
		195	Oceanographers
	Physicists/astronomers	191	Astronomers
		196	Physicists, except biophysicists
	Postsecondary teachers, chemistry	275	Postsecondary teachers, chemistry
	Postsecondary teachers, physics	289	Postsecondary teachers, physics
	Postsecondary teachers, other physical sciences	277	Postsecondary teachers, earth, environmental, and marine sciences
	Other physical scientists	198	Other physical scientists
Psychologists	Psychologists	236	Psychologists, including clinical
	Postsecondary teachers, psychology	291	Postsecondary teachers, psychology
Social scientists	Economists	232	Economists
	Political scientists	235	Political scientists
	Postsecondary teachers, economics	278	Postsecondary teachers, economics
	Postsecondary teachers, political science	290	Postsecondary teachers, political science
	Postsecondary teachers, sociology	293	Postsecondary teachers, sociology
	Postsecondary teachers, other social sciences	298	Postsecondary teachers, other social sciences

		Sociologists/anthropologists	231	Anthropologists
			237	Sociologists
Engineering occupations	Engineering occupations	Other social scientists	238	Other social scientists
		Aerospace/aeronautical/astronautical engineers	082	Aeronautical, aerospace and astronautical engineers
		Chemical engineers	085	Chemical engineers
		Civil/architectural/sanitary engineers	086	Civil engineers, including architectural and sanitary
		Electrical engineers	087	Computer engineers, hardware
			089	Electrical and electronics engineers
		Industrial engineers	091	Industrial engineers
		Mechanical engineers	094	Mechanical engineers
		Postsecondary teachers, engineering	280	Postsecondary teachers, engineering
		Other engineers	083	Agricultural engineers
			084	Bioengineers or biomedical engineers
			090	Environmental engineers
			092	Marine engineers and naval architects
			093	Materials and metallurgical engineers
			095	Mining and geological engineers
			096	Nuclear engineers
			097	Petroleum engineers
			098	Sales engineers
			099	Other engineers
Science/engineering related occupations	Science/engineering related occupations	Health occupations, except postsecondary teachers and managers	111	Diagnosing and treating practitioners
			112	Registered nurses, pharmacists, dieticians, therapists, physician assistants, nurse practitioners

			113	Health technologists and technicians
			114	Other health occupations
		Postsecondary teachers, health and related sciences	287	Postsecondary teachers, health and related sciences
		S&E managers, including health	142	Computer and information systems managers
			143	Engineering managers
			144	Medical and health services managers
			145	Natural sciences managers
		S&E precollege teachers	253	Teachers, secondary–computer, math, or sciences
			254	Teachers, secondary–social sciences
		S&E technicians/technologists	026	Technologists and technicians, biological and life sciences
			053	Computer programmers, business, scientific, and process control
			100	Electrical, electronic, industrial, and mechanical technicians
			101	Drafting occupations, including computer drafting
			102	Surveying and mapping technicians
			103	Other engineers, technologists, and technicians
			104	Surveyors, cartographers, and photogrammetrists
			175	Technologists and technicians, mathematical sciences

Non-science/non-engineering occupations	Non-science/non-engineering occupations		197	Technologists and technicians, physical scientists
		Other S&E-related occupations	081	Architects
			171	Actuaries
		Arts/humanities-related occupations	233	Historians
			10	Writers, editors, public relations specialists, artists, entertainers, and broadcasters
		Management-related occupations	151	Accountants, auditors, and other financial specialists
			152	Personnel, training, and labor relations specialists
			153	Other management-related occupations
		Non-S&E managers	141	Top-level managers, executives, and administrators
			146	Education administrators
			147	Other mid-level managers
		Non-S&E postsecondary teachers	272	Postsecondary teachers, art, drama, and music
			274	Postsecondary teachers, business, commerce and marketing
			279	Postsecondary teachers, education
			281	Postsecondary teachers, English
			282	Postsecondary teachers, foreign language
			283	Postsecondary teachers, history
			288	Postsecondary teachers, physical education
			299	Postsecondary teachers, other non-science and engineering
		Non-S&E precollege/other teachers	251	Teachers, pre-kindergarten and kindergarten

			252	Teachers, elementary school
			255	Teachers, secondary—other subjects
			256	Teachers, special education—primary and secondary
			257	Teachers, other precollegiate area
		Sales/marketing occupations	200	Insurance, securities, real estate, and business services
			201	Sales occupations, commodities, except retail
			202	Sales occupations, retail
			203	Other marketing and sales occupations
		Social service-related occupations	040	Clergy and other religious workers
			070	Counselors, educational, vocational, mental health, and substance abuse
			240	Social workers
		Other non-S&E occupations	031	Accounting clerks, and bookkeepers
			032	Secretaries, receptionists, and typists
			033	Other administrative occupations
			110	Farmers, foresters, and fishermen
			120	Lawyers and judges
			130	Librarians, archivists, and curators
			221	Food preparation and service occupations
			222	Protective services
			223	Other service occupations, except health
			300	Other teachers and instructors

			401	Construction and extraction occupations
			402	Installation, maintenance, and repair occupations
			403	Precision/production occupations
			405	Transportation and material moving occupations
			500	Other occupations

MAJOR CODES

SESTAT Code Group Number	SESTAT Code Group Label
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)