# **Attachment F1**

Scholarships in Science, Technology, Engineering, and Mathematics (S-STEM)

Monitoring System

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### S-STEM: Crosswalk

Common Collection Categories Questions	Staff and Project Participant Characteristics <sup>1</sup>	Project Implementation Characteristics <sup>2</sup>	Project Ontonte <sup>3</sup>
Award Details and Program Activities			
Award Details from FastLane			
Award ID Number <sup>4</sup>		X	
Principal Investigator (PI) Name <sup>4</sup>	X		
PI E-mail Address <sup>4</sup>	X		
PI Phone Number <sup>4</sup>	X		
Institution Name <sup>4</sup>	X		
Award Title <sup>4</sup>		X	
Award Start Date <sup>4</sup>		X	
Award Expiration Date <sup>4</sup>		X	
Alternate Contact Information			
Alternate Contact Name	X		
Alternate Contact E-mail Address	X		
Alternate Contact Phone Number	X		
Academic Schedule			
Academic Term			
Select one.			
-Semesters	X		
-Quarters			
-Trimesters			
Program Schedule			
Expected/Actual First Scholarship Year		X	
Expected/Actual First Scholarship Semester/Quarter			
Select one.			
-Winter		X	
-Spring		Λ	
-Summer			
-Fall			
Expected/Actual Final Scholarship Year		X	
Expected/Actual Final Scholarship Semester/Quarter			
Select one.			
-Winter		X	
-Spring		11	
-Summer			
-Fall			

<sup>&</sup>lt;sup>1</sup> Elements of these characteristics include name, address, date of birth, gender, ethnicity, race, disability status, class, major, grade point average, and project role.

<sup>&</sup>lt;sup>2</sup> Elements of these characteristics include sources and amount of funds, fellowships, scholarships, traineeships, partnerships, training, and research methods.

3 Elements of these characteristics include research findings, publications, presentations, degrees granted, and

educational materials.

<sup>&</sup>lt;sup>4</sup> These details are drawn directly from FastLane.

Common Collection Categories Questions	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
Program Activities			
Program Activities			
Select one or more.			
-Academic Support Services			
-Career Counseling/Job Placement			
-Community Building			
-Field Trips			
-Internships		v	
-Meetings/Conferences		X	
-Mentoring			
-Recruitment			
-Research Opportunities			
-Seminars			
-Other (please describe)			
-None			
Student Demographics			
Student Details			
Name: First, Middle Initial, Last	X		
E-mail Address	X		
Degree Program			
Select one.			
-Associate's			
-Bachelor's	X		
-Concurrent Bachelor's/Master's			
-Master's			
-Doctorate			
First S-STEM Year		X	
First S-STEM Semester/Quarter			
Select one.			
-Winter		X	
-Spring		$\Lambda$	
-Summer			
-Fall			
Career Goal			X
Student Demographics			
Date of Birth:	X		
mm/dd/yyyy	71		
Gender			
Select one.			
-Male	X		
-Female			
-Not Reported or Unknown			

Common Collection Categories Questions	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
Race Select one or more.			
-American Indian or Alaska Native			
-Asian	X		
-Black or African American	A		
-Native Hawaiian or other Pacific Islander			
-White			
-Not Reported or Unknown			
Ethnicity			
Select one.	v		
-Hispanic or Latino	X		
-Not Hispanic or Latino -Not Reported or Unknown			
Disability			
Select "Yes" if any of the following apply:			
Deaf or serious difficulty hearing			
Blind or serious difficulty seeing even when wearing			
glasses			
<ul> <li>Serious difficulty walking or climbing stairs</li> </ul>	X		
Other serious disability related to a physical, mental, or			
emotional condition			
-Yes			
-No			
-Do not wish to provide			
Student Address – Permanent Residence			
Address Line 1			
Address Line 2	X		
City			
State Zip Code/Bestal Code			
Zip Code/Postal Code Student Address – School Residence			
Address Line 1			
Address Line 1 Address Line 2			
City	X		
State			
Zip Code/Postal Code			
Semester/Quarter Details			
Cumulative GPA	X		X
S-STEM Scholarship Amount		X	

Common Collection Categories	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
Questions	Se Pa Chan	Imple Char	Proje
Intended Major			
Select one.			
-Astronomy			
-Biological Sciences			
-Biology			
-Biotechnology			
-Chemistry			
-Computer Information Science			
-Computer Science			
-Computer			
-Engineering–Aerospace			
-Engineering-Biological			
-Engineering–Biomedical			
-Engineering–Chemical			
-Engineering-Civil			
-Engineering–Computer			
-Engineering–Electrical			
-Engineering–Environmental			
-Engineering–Industrial	X		
-Engineering–Mechanical			
-Engineering–Nuclear			
-Engineering–Petroleum			
-Engineering-Technology			
-Engineering			
-Environmental Sciences			
-Geosciences			
-Materials Science			
-Mathematical Sciences			
-Mathematics			
-Physical Sciences			
-Physics			
-Technology-Chemical			
-Technology—Computer			
-Technology-Information			
-Technology-Manufacturing			
-Technology			
-Other (Please describe)			
Class	1		
Select one.			
-Freshman			
-Sophomore	X		
-Junior	1		
-Senior			
-Graduate Student			

STEM-Related Internship Select onePaid	Common Collection Categories Questions	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
-Paid -None  Employment Hours/Week Activities Select one or moreAcademic Support Services -Career Counseling/Job Placement -Community Building -Field Trips -Internships -Internships -Meetings/Conferences -Mentoring -Recruitment -Research Opportunities -Seminars -Other (please describe) -None Student Status: Select oneActive -Graduated -Transferred -Leave of Absence -Left Program — Switched to a non-STEM major -Left Program — No longer financially eligible -Left Program — Poor academic performance -Left Program — Received maximum scholarship funding -Left Program — Transferred to a different S-STEM award -Left Program — Completed the S-STEM program	STEM-Related Internship			
-Unpaid -None  Employment Hours/Week  Activities Select one or moreAcademic Support Services -Career Counseling/Job Placement -Community Building -Field Trips -Internships -Meetings/Conferences -Mentoring -Recruitment -Research Opportunities -Seminars -Other (please describe) -None Student Status: Select oneActive -Graduated -Transferred -Leave of Absence -Left Program — Switched to a non-STEM major -Left Program — No longer financially eligible -Left Program — Poor academic performance -Left Program — Received maximum scholarship funding -Left Program — Transferred to a different S-STEM award -Left Program — Completed the S-STEM program				
-None Employment Hours/Week X X Activities Select one or moreAcademic Support Services -Career Counseling/Job Placement -Community Building -Field Trips -Internships -Meetings/Conferences -Mentoring -Recruitment -Research Opportunities -Seminars -Other (please describe) -None Student Status: Select oneActive -Graduated -Transferred -Leave of Absence -Left Program – Switched to a non-STEM major -Left Program – No longer financially eligible -Left Program – Received maximum scholarship funding -Left Program – Received maximum scholarship funding -Left Program – Completed the S-STEM program			X	X
Employment Hours/Week Activities Select one or moreAcademic Support Services -Career Counseling/Job Placement -Community Building -Field Trips -Internships -Internships -Meetings/Conferences -Mentoring -Recruitment -Research Opportunities -Seminars -Other (please describe) -None Student Status: Select oneActive -Graduated -Transferred -Leave of Absence -Left Program – Switched to a non-STEM major -Left Program – No longer financially eligible -Left Program – Received maximum scholarship funding -Left Program – Transferred to a different S-STEM award -Left Program – Transferred to a different S-STEM award -Left Program – Completed the S-STEM program	<del>-</del>			
Activities Select one or moreAcademic Support Services -Career Counseling/Job Placement -Community Building -Field Trips -Internships -Internships -Meetings/Conferences -Mentoring -Recruitment -Research Opportunities -Seminars -Other (please describe) -None Student Status: Select oneActive -Graduated -Transferred -Leave of Absence -Left Program – Switched to a non-STEM major -Left Program – No longer full-time -Left Program – No longer financially eligible -Left Program – Received maximum scholarship funding -Left Program – Received maximum scholarship funding -Left Program – Transferred to a different S-STEM award -Left Program – Completed the S-STEM program				
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-Academic Support Services -Career Counseling/Job Placement -Community Building -Field Trips -Internships -Meetings/Conferences -Mentoring -Recruitment -Research Opportunities -Seminars -Other (please describe) -None -Student Status: Select oneActive -Graduated -Transferred -Leave of Absence -Left Program — Switched to a non-STEM major -Left Program — No longer fundancially eligible -Left Program — Poor academic performance -Left Program — Received maximum scholarship funding -Left Program — Received maximum scholarship funding -Left Program — Transferred to a different S-STEM award -Left Program — Transferred to a different S-STEM award -Left Program — Completed the S-STEM program				
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-Community Building -Field Trips -Internships -Meetings/Conferences -Mentoring -Recruitment -Research Opportunities -Seminars -Other (please describe) -None  Student Status: Select oneActive -Graduated -Transferred -Leave of Absence -Left Program — Switched to a non-STEM major -Left Program — No longer full-time -Left Program — No longer financially eligible -Left Program — Received maximum scholarship funding -Left Program — Transferred to a different S-STEM award -Left Program — Completed the S-STEM program				
-Field Trips -Internships -Meetings/Conferences -Mentoring -Recruitment -Research Opportunities -Seminars -Other (please describe) -None Student Status: Select oneActive -Graduated -Transferred -Leave of Absence -Left Program — Switched to a non-STEM major -Left Program — No longer full-time -Left Program — No longer financially eligible -Left Program — Received maximum scholarship funding -Left Program — Received maximum scholarship funding -Left Program — Transferred to a different S-STEM award -Left Program — Completed the S-STEM program				
-Internships -Meetings/Conferences -Mentoring -Recruitment -Research Opportunities -Seminars -Other (please describe) -None Student Status: Select oneActive -Graduated -Transferred -Leave of Absence -Left Program — Switched to a non-STEM major -Left Program — No longer full-time -Left Program — No longer financially eligible -Left Program — Received maximum scholarship funding -Left Program — Received maximum scholarship funding -Left Program — Transferred to a different S-STEM award -Left Program — Completed the S-STEM program				
-Meetings/Conferences -Mentoring -Recruitment -Research Opportunities -Seminars -Other (please describe) -None  Student Status: Select oneActive -Graduated -Transferred -Leave of Absence -Left Program - Switched to a non-STEM major -Left Program - No longer full-time -Left Program - No longer financially eligible -Left Program - Received maximum scholarship funding -Left Program - Transferred to a different S-STEM award -Left Program - Completed the S-STEM program				
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-Recruitment -Research Opportunities -Seminars -Other (please describe) -None  Student Status: Select oneActive -Graduated -Transferred -Leave of Absence -Left Program – Switched to a non-STEM major -Left Program – No longer full-time -Left Program – No longer financially eligible -Left Program – Received maximum scholarship funding -Left Program – Transferred to a different S-STEM award -Left Program – Completed the S-STEM program			21	2 1
-Research Opportunities -Seminars -Other (please describe) -None  Student Status: Select oneActive -Graduated -Transferred -Leave of Absence -Left Program – Switched to a non-STEM major -Left Program – No longer full-time -Left Program – No longer financially eligible -Left Program – Poor academic performance -Left Program – Received maximum scholarship funding -Left Program – Transferred to a different S-STEM award -Left Program – Completed the S-STEM program				
-Seminars -Other (please describe) -None  Student Status: Select oneActive -Graduated -Transferred -Leave of Absence -Left Program – Switched to a non-STEM major -Left Program – No longer full-time -Left Program – No longer financially eligible -Left Program – Received maximum scholarship funding -Left Program – Transferred to a different S-STEM award -Left Program – Completed the S-STEM program				
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-Transferred -Leave of Absence -Left Program -Left Program – Switched to a non-STEM major -Left Program – No longer full-time -Left Program – No longer financially eligible -Left Program – Poor academic performance -Left Program – Received maximum scholarship funding -Left Program – Transferred to a different S-STEM award -Left Program – Completed the S-STEM program				
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-Left Program – No longer financially eligible -Left Program – Poor academic performance -Left Program – Received maximum scholarship funding -Left Program – Transferred to a different S-STEM award -Left Program – Completed the S-STEM program				
-Left Program – Poor academic performance -Left Program – Received maximum scholarship funding -Left Program – Transferred to a different S-STEM award -Left Program – Completed the S-STEM program				
-Left Program – Received maximum scholarship funding -Left Program – Transferred to a different S-STEM award -Left Program – Completed the S-STEM program				
-Left Program – Transferred to a different S-STEM award -Left Program – Completed the S-STEM program				
-Left Program – Completed the S-STEM program				
LOUOSIA LIB LUIOCTIONO	Follow-Up Questions			

Student is Pursuing Further STEM Education: -Yes Intended Major Select oneAstronomy -Biological Sciences -Biology -Biotechnology -Chemistry -Computer Information Science -Computer Science -Computer Science -Computer -Engineering—Aerospace -Engineering—Biological -Engineering—Biomedical -Engineering—Civil -Engineering—Computer -Engineering—Electrical -Engineering—Environmental -Engineering—Industrial -Engineering—Petroleum -Engineering—Petroleum -Engineering—Technology -Engineering -Environmental Sciences -Materials Science -Mathematics -Physical Sciences -Physics -Technology—Chemical -Technology—Chemical -Technology—Information -Technology—Manufacturing	Common Collection Categories Questions	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
Select one.  -Astronomy -Biological Sciences -Biology -Biotechnology -Chemistry -Computer Information Science -Computer Science -Computer -Engineering—Aerospace -Engineering—Biological -Engineering—Biomedical -Engineering—Chemical -Engineering—Computer -Engineering—Computer -Engineering—Electrical -Engineering—Environmental -Engineering—Mechanical -Engineering—Mechanical -Engineering—Petroleum -Engineering—Petroleum -Engineering -Environmental Sciences -Mathematical Sciences -Mathematical Sciences -Mathematics -Physical Sciences -Physics -Technology—Chemical -Technology—Chemical -Technology—Chemical -Technology—Computer -Technology—Information -Technology—Manufacturing	-Yes			
-Astronomy -Biological Sciences -Biology -Biotechnology -Chemistry -Computer Information Science -Computer Science -Computer Science -Computer -Engineering-Aerospace -Engineering-Biological -Engineering-Biomedical -Engineering-Chemical -Engineering-Computer -Engineering-Electrical -Engineering-Environmental -Engineering-Industrial -Engineering-Mechanical -Engineering-Mechanical -Engineering-Petroleum -Engineering-Petroleum -Engineering-Technology -Engineering -Environmental Sciences -Matterials Science -Mathematical Sciences -Mathematics -Physical Sciences -Physics -Technology-Chemical -Technology-Chemical -Technology-Computer -Technology-Manufacturing				
-Biological Sciences -Biology -Biotechnology -Chemistry -Computer Information Science -Computer Science -Computer -Engineering—Aerospace -Engineering—Biological -Engineering—Biomedical -Engineering—Chemical -Engineering—Computer -Engineering—Computer -Engineering—Industrial -Engineering—Industrial -Engineering—Muchanical -Engineering—Nuclear -Engineering—Petroleum -Engineering—Technology -Engineering -Environmental Sciences -Materials Science -Mathematical Sciences -Mathematics -Physics -Technology—Chemical -Technology—Computer -Technology—Information -Technology—Manufacturing				
-Biotechnology -Chemistry -Computer Information Science -Computer Science -Computer -Engineering—Aerospace -Engineering—Biological -Engineering—Chemical -Engineering—Chemical -Engineering—Computer -Engineering—Electrical -Engineering—Electrical -Engineering—Industrial -Engineering—Mechanical -Engineering—Petroleum -Engineering—Petroleum -Engineering—Technology -Engineering -Environmental Sciences -Materials Science -Mathematical Sciences -Mathematics -Physical Sciences -Physics -Technology—Chemical -Technology—Computer -Technology—Information -Technology—Manufacturing				
-Chemistry -Computer Information Science -Computer Science -Computer -Engineering—Aerospace -Engineering—Biological -Engineering—Chemical -Engineering—Chemical -Engineering—Computer -Engineering—Electrical -Engineering—Environmental -Engineering—Industrial -Engineering—Mechanical -Engineering—Mechanical -Engineering—Technology -Engineering -Environmental Sciences -Geosciences -Materials Science -Mathematical Sciences -Mathematics -Physics -Technology—Chemical -Technology—Computer -Technology—Information -Technology—Manufacturing	-Biology			
-Computer Information Science -Computer Science -Computer -Engineering—Aerospace -Engineering—Biological -Engineering—Chemical -Engineering—Chemical -Engineering—Computer -Engineering—Electrical -Engineering—Environmental -Engineering—Industrial -Engineering—Nuclear -Engineering—Nuclear -Engineering—Petroleum -Engineering -Environmental Sciences -Geosciences -Materials Science -Mathematical Sciences -Mathematics -Physics -Technology—Chemical -Technology—Computer -Technology—Information -Technology—Manufacturing				
-Computer Science -Computer -Engineering—Aerospace -Engineering—Biological -Engineering—Biomedical -Engineering—Chemical -Engineering—Computer -Engineering—Computer -Engineering—Electrical -Engineering—Environmental -Engineering—Mechanical -Engineering—Nuclear -Engineering—Petroleum -Engineering—Technology -Engineering -Environmental Sciences -Geosciences -Materials Science -Mathematical Sciences -Mathematics -Physical Sciences -Physics -Technology—Chemical -Technology—Computer -Technology—Manufacturing				
-Computer -Engineering—Aerospace -Engineering—Biological -Engineering—Biomedical -Engineering—Chemical -Engineering—Computer -Engineering—Electrical -Engineering—Environmental -Engineering—Mechanical -Engineering—Nuclear -Engineering—Petroleum -Engineering—Technology -Engineering -Environmental Sciences -Materials Science -Mathematical Sciences -Mathematics -Physics -Technology—Chemical -Technology—Computer -Technology—Information -Technology—Manufacturing				
-Engineering-Aerospace -Engineering-Biological -Engineering-Biomedical -Engineering-Chemical -Engineering-Computer -Engineering-Electrical -Engineering-Industrial -Engineering-Mechanical -Engineering-Petroleum -Engineering-Technology -Engineering -Environmental Sciences -Geosciences -Mathematical Sciences -Mathematics -Physical Sciences -Physics -Technology-Chemical -Technology-Computer -Technology-Information -Technology-Manufacturing				
-Engineering—Biological -Engineering—Biomedical -Engineering—Chemical -Engineering—Computer -Engineering—Electrical -Engineering—Environmental -Engineering—Industrial -Engineering—Nuclear -Engineering—Petroleum -Engineering—Petroleum -Engineering—Technology -Engineering -Environmental Sciences -Geosciences -Materials Science -Mathematical Sciences -Mathematics -Physical Sciences -Physics -Technology—Computer -Technology—Information -Technology—Manufacturing				
-Engineering—Biomedical -Engineering—Chemical -Engineering—Computer -Engineering—Electrical -Engineering—Environmental -Engineering—Industrial -Engineering—Mechanical -Engineering—Petroleum -Engineering—Petroleum -Engineering—Technology -Engineering -Environmental Sciences -Geosciences -Materials Science -Mathematical Sciences -Mathematics -Physical Sciences -Physics -Technology—Chemical -Technology—Computer -Technology—Manufacturing	5 5 <u>1</u>			
-Engineering—Chemical -Engineering—Computer -Engineering—Electrical -Engineering—Environmental -Engineering—Industrial -Engineering—Mechanical -Engineering—Nuclear -Engineering—Petroleum -Engineering—Technology -Engineering -Environmental Sciences -Geosciences -Materials Science -Mathematical Sciences -Mathematics -Physical Sciences -Physics -Technology—Chemical -Technology—Computer -Technology—Information -Technology—Manufacturing				
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-Engineering—Nuclear -Engineering—Petroleum -Engineering—Technology -Engineering -Environmental Sciences -Geosciences -Materials Science -Mathematical Sciences -Mathematics -Physical Sciences -Physics -Technology—Chemical -Technology—Computer -Technology—Information -Technology—Manufacturing				
-Engineering—Petroleum -Engineering—Technology -Engineering -Environmental Sciences -Geosciences -Materials Science -Mathematical Sciences -Mathematics -Physical Sciences -Physics -Technology—Chemical -Technology—Computer -Technology—Information -Technology—Manufacturing				
-Engineering—Technology -Engineering -Environmental Sciences -Geosciences -Materials Science -Mathematical Sciences -Mathematics -Physical Sciences -Physics -Technology—Chemical -Technology—Computer -Technology—Information -Technology—Manufacturing				
-Engineering -Environmental Sciences -Geosciences -Materials Science -Mathematical Sciences -Mathematics -Physical Sciences -Physics -Technology—Chemical -Technology—Computer -Technology—Information -Technology—Manufacturing	9 9			
-Geosciences -Materials Science -Mathematical Sciences -Mathematics -Physical Sciences -Physics -Technology—Chemical -Technology—Computer -Technology—Information -Technology—Manufacturing				
-Materials Science -Mathematical Sciences -Mathematics -Physical Sciences -Physics -Technology—Chemical -Technology—Computer -Technology—Information -Technology—Manufacturing	-Environmental Sciences			
-Mathematical Sciences -Mathematics -Physical Sciences -Physics -Technology—Chemical -Technology—Computer -Technology—Information -Technology—Manufacturing				
-Mathematics -Physical Sciences -Physics -Technology—Chemical -Technology—Computer -Technology—Information -Technology—Manufacturing				
-Physical Sciences -Physics -Technology—Chemical -Technology—Computer -Technology—Information -Technology—Manufacturing				
-Physics -Technology–Chemical -Technology–Computer -Technology–Information -Technology–Manufacturing				
-Technology–Chemical -Technology–Computer -Technology–Information -Technology–Manufacturing	, and the second			
-Technology–Computer -Technology–Information -Technology–Manufacturing				
-Technology–Information -Technology–Manufacturing				
-Technology–Manufacturing				
-Technology	-Technology–Manufacturing			
	-Technology			
-Other (Please describe) -No	·			

Common Collection Categories Questions	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
Student is Working in STEM Field:			
-Yes			
Company Name			X
Nature of Job			
-No			

### S-STEM: Number of Respondents, Frequency of Response, and Annual Hour Burden

The estimated average number of annual respondents is 700, with an estimated average annual response burden of 4,900 hours. The frequency of response is an average of two times per year.

Respondents are award PIs. There is an average of 700 active awards each year, with 700 total PIs (1 per award) and an average of 20 scholars per award. PIs must report on each student receiving S-STEM scholarship support for each academic term, for an average of two responses per year per PI. Because of the nature of the project, PIs will have most of the data on scholars readily available and will need to spend an average of only 10 minutes per academic term entering data on each scholar, for a total annual burden of approximately 3.5 hours per PI.

The burden estimate is outlined below:

Respondent Type	Estimated Average Annual No. of Respondents	Estimated Average Annual Burden Hours Per Respondent	Responses Per Year	Estimated Annual Burden Hour Total
PIs	700	3.5	2	4,900
Total	700			4,900

## S-STEM: Hour Burden Estimates by Each Form and Aggregate Hour Burdens

There is only one form. As mentioned above, respondents will be project PIs. The estimated total annual response burden is 4,900 hours. Burden is minimized by the fact that the Web-based screens request data in simple data entry fields, including radio buttons, dropdown menus, and text boxes, so little if any time is required for familiarization with the system. In addition, respondents can use an offline version of the survey to upload their data, allowing them to sort their data by student or academic term and cut and paste repeating data. The annual burden by form was calculated as follows:

Form Type	Respondent Type	No. of Respondents	Burden Hours Per Respondent	Responses Per Year	Total Burden Hours
S-STEM data collection form	PIs	700	3.5	2	4,900
Total		700			4,900

## S-STEM: Estimates of Annualized Cost to Respondents for the Hour Burdens

The overall annualized cost to the respondents is estimated to be \$225,400. The following table shows the annualized estimates of costs to PI respondents, who are generally university professors. The estimated hourly rate is based on a report from the American Association of University Professors, "The Annual Report on the Economic Status of the Profession, 2017–18," Survey Report Table 1. According to this report, the average salary across all academic ranks and across all types of doctoral-granting institutions (public, private-independent, religiously affiliated) was \$95,176. When divided by the number of standard annual work hours (2,080), this calculates to approximately \$46 per hour.

Type of Respondent	No. of Respondents	Burden Hours Per Respondent	Responses Per Year	Average Hourly Rate	Estimated Annual Cost
PIs	700	3.5	2	\$46	\$225,400
Total	700				\$225,400

## S-STEM: Estimates of Costs to the Federal Government

Computing the annualized cost to NSF for the S-STEM data collection was done by taking the projected budget for the next three years and calculating the cost for each of the following operational activities involved in producing, maintaining, and conducting the data collection:

Operational Activities	Cost Over Three Years
System Development (includes initial development of the database and Web-based application, and later changes requested by the program, e.g., increased reporting tools, additional validations)	\$144,159
System Maintenance, Updates, and Technical Support (the system requires updates each year before opening the collection; maintenance is required to keep the system current with technology, e.g., database servers, operating systems)	\$259,486
Data Collection Opening and Support (e.g., online and telephone support to respondents and contacting respondents to encourage completion of the questions), Reporting (as defined by DUE), and Follow-up Activities (e.g., providing data to other consultants)	\$172,991
Three-Year Total for All Operational Activities	\$576,637

The annualized cost was computed as one-third of the total three-year cost; thus, the annualized cost to NSF for the S-STEM data collection is \$192,212.

## **S-STEM: Questions**

Award Details and Program Activities
Award Details from FastLane
Award ID Number <sup>5</sup>
Principal Investigator (PI) Name <sup>4</sup>
PI E-mail Address <sup>4</sup>
PI Phone Number <sup>4</sup>
Institution Name <sup>4</sup>
Award Title <sup>4</sup>
Award Start Date <sup>4</sup>
Award Expiration Date <sup>4</sup>
Alternate Contact Information
Alternate Contact Name
Alternate Contact E-mail Address
Alternate Contact Phone Number
Academic Schedule
Academic Term
Select one.
-Semesters
-Quarters
-Trimesters
Program Schedule
Expected/Actual First Scholarship Year
Expected/Actual First Scholarship Semester/Quarter
Select one.
-Winter
-Spring
-Summer
-Fall
Expected/Actual Final Scholarship Year
Expected/Actual Final Scholarship Semester/Quarter
Select one.
-Winter
-Spring
-Summer
-Fall
Program Activities

<sup>&</sup>lt;sup>5</sup> These details are drawn directly from FastLane.

Program Activities
Select one or more.
-Academic Support Services
-Career Counseling/Job Placement
-Community Building
-Field Trips
-Internships
-Meetings/Conferences
-Mentoring
-Recruitment
-Research Opportunities
-Seminars
-Other (please describe)
-None
Student Demographics
Student Details
Name: First, Middle Initial, Last
E-mail Address
Degree Program
Select one.
-Associate's
-Bachelor's
-Concurrent Bachelor's/Master's
-Master's
-Doctorate
First S-STEM Year
First S-STEM Semester/Quarter
Select one.
-Winter
-Spring
-Summer
-Fall
Career Goal
Student Demographics
Date of Birth:
mm/dd/yyyy
Gender
Select one.
-Male
-Female
-Not Reported or Unknown
Race
Select one or more.
-American Indian or Alaska Native
-Asian
-Black or African American
-Native Hawaiian or other Pacific Islander
-White
-Not Reported or Unknown

Ethnicity

Select one.

- -Hispanic or Latino
- -Not Hispanic or Latino
- -Not Reported or Unknown

## Disability

Select "Yes" if any of the following apply:

- Deaf or serious difficulty hearing
- Blind or serious difficulty seeing even when wearing glasses
- Serious difficulty walking or climbing stairs
- Other serious disability related to a physical, mental, or emotional condition
- -Yes
- -No
- -Do not wish to provide

## **Student Address – Permanent Residence**

Address Line 1

Address Line 2

City

State

Zip Code/Postal Code

## **Student Address - School Residence**

Address Line 1

Address Line 2

City

State

Zip Code/Postal Code

## **Semester/Quarter Details**

Cumulative GPA

S-STEM Scholarship Amount

Intended Major
Select one.
-Astronomy
-Biological Sciences
-Biology
-Biotechnology
-Chemistry
-Computer Information Science
-Computer Science
-Computer
-Engineering–Aerospace
-Engineering–Biological
-Engineering–Biomedical
-Engineering–Chemical
-Engineering–Civil
-Engineering–Computer
-Engineering–Electrical
-Engineering–Environmental
-Engineering–Industrial
-Engineering–Mechanical
-Engineering–Nuclear
-Engineering–Petroleum
-Engineering-Technology
-Engineering
-Environmental Sciences
-Geosciences
-Materials Science
-Mathematical Sciences
-Mathematics
-Physical Sciences
-Physics
-Technology-Chemical
-Technology–Computer
-Technology–Information
-Technology–Manufacturing
-Technology
-Other (Please describe)
Class
Select one.
-Freshman
-Sophomore
-Junior
-Senior
-Graduate Student
STEM-Related Internship
Select one.
-Paid
-Unpaid
-None
Employment Hours/Week

#### Activities

Select one or more.

- -Academic Support Services
- -Career Counseling/Job Placement
- -Community Building
- -Field Trips
- -Internships
- -Meetings/Conferences
- -Mentoring
- -Recruitment
- -Research Opportunities
- -Seminars
- -Other (please describe)
- -None

#### **Student Status:**

Select one.

- -Active
- -Graduated
- -Transferred
- -Leave of Absence
- -Left Program
- -Left Program Switched to a non-STEM major
- -Left Program No longer full-time
- -Left Program No longer financially eligible
- -Left Program Poor academic performance
- -Left Program Received maximum scholarship funding
- -Left Program Transferred to a different S-STEM award
- -Left Program Completed the S-STEM program

## Follow-Up Questions

Student is Pursuing Further STEM Education: -Yes **Intended Major** Select one. -Astronomy -Biological Sciences -Biology -Biotechnology -Chemistry -Computer Information Science -Computer Science -Computer -Engineering-Aerospace -Engineering—Biological -Engineering-Biomedical -Engineering-Chemical -Engineering-Civil -Engineering-Computer -Engineering–Electrical -Engineering–Environmental -Engineering-Industrial -Engineering-Mechanical -Engineering-Nuclear -Engineering-Petroleum -Engineering-Technology -Engineering -Environmental Sciences -Geosciences -Materials Science -Mathematical Sciences -Mathematics -Physical Sciences -Physics -Technology-Chemical -Technology-Computer -Technology-Information -Technology-Manufacturing -Technology -Other (Please describe) -No Student is Working in STEM Field: -Yes Company Name Nature of Job -No