# **Attachment I1**

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 Outputs <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.	37		
-Semesters	X		
-Quarters			
-Trimesters			
Program Schedule	N/		
Expected/Actual First Scholarship Year	X		
Expected/Actual First Scholarship Semester/Quarter			
Select one.			
-Winter	X		
Summer			
-Summer -Fall			
	v		
Expected/Actual Final Scholarship Year  Expected/Actual Final Scholarship Semester/Quarter	X		
Expected/Actual Final Scholarship Semester/Quarter Select one.			
-Winter			
-Spring	X		
-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, yearly fellowship or stipend amount, 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	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
Questions	Ch		Pro
Program Activities			
Program Activities			
Select one or more.			
-Academic Support Services			
-Career Counseling/Job Placement			
-Community Building			
-Field Trips			
-Internships		X	
-Meetings/Conferences		$\Lambda$	
-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	37		
-Spring	X		
-Summer			
-Fall			
Career Goal			X
Student Demographics			
Date of Birth:	v		
mm/dd/yyyy	X		
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			
-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			
<ul> <li>Blind or serious difficulty seeing even when wearing</li> </ul>			
glasses			
<ul> <li>Serious difficulty walking or climbing stairs</li> </ul>	X		
Other serious disability related to a physical, mental, or	21		
emotional condition			
-Yes			
-No			
-Do not wish to provide			
Student Address – Permanent Residence			
Address Line 1			
Address Line 2	37		
City	X		
State			
Zip Code/Postal Code			
Student Address – School Residence			
Address Line 1			
Address Line 2	X		
City	Λ		
State			
Zip Code/Postal Code			
Semester/Quarter Details			
Cumulative GPA	X		
S-STEM Scholarship Amount		X	

Intended Major Select oneAstronomy -Biological Sciences -Biology -Biotechnology -Chemistry -Computer Information Science -Computer Science -Computer Science -Computer -Engineering-Aerospace -Engineering-Biological -Engineering-Biomedical -Engineering-Chemical -Engineering-Chemical -Engineering-Computer -Engineering-Electrical -Engineering-Electrical -Engineering-Industrial -Engineering-Mechanical -Engineering-Mechanical -Engineering-Petroleum -Engineering-Petroleum -Engineering-Technology -Engineering -Environmental Sciences -Geosciences -Matterials Science -Mathematical Sciences -Mathematical Sciences -Mathematical Sciences -Physical Sciences -Physical Sciences -Physics -Technology-Chemical -Technology-Computer -Technology-Manufacturing -Technology -Cother (Please describe) -Class	Common Collection Categories	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
Select oneAstronomy -Biological Sciences -Biology -Biotechnology -Chemistry -Computer Information Science -Computer Science -Computer Science -Computer Engineering-Aerospace -Engineering-Biological -Engineering-Biomedical -Engineering-Chemical -Engineering-Chemical -Engineering-Computer -Engineering-Electrical -Engineering-Biomedical -Engineering-Petroleum -Engineering-Puclear -Engineering-Petroleum -Engineering-Petroleum -Engineering-Petroleum -Engineering-Technology -Engineering -Environmental Sciences -Materials Science -Mathematical Sciences -Mathematical Sciences -Mathematical Sciences -Physical Sciences -	Questions	S Pa Cha	[mp] Cha	Proj
-Astronomy -Biological Sciences -Biology -Biotechnology -Chemistry -Computer Information Science -Computer Science -Computer Science -Computer -Engineering-Aerospace -Engineering-Biological -Engineering-Biomedical -Engineering-Computer -Engineering-Computer -Engineering-Computer -Engineering-Electrical -Engineering-Belectrical -Engineering-Industrial -Engineering-Mechanical -Engineering-Petroleum -Engineering-Petroleum -Engineering-Petroleum -Engineering-Technology -Engineering -Technology -Engineering -Technology -Engineering -Technology-Computer -Technology-Computer -Technology-Computer -Technology-Manufacturing -Technology-Manufacturing -Technology-Manufacturing -Technology-Manufacturing -Technology-Other (Please describe)				
-Biological Sciences -Biology -Biotechnology -Chemistry -Computer Information Science -Computer Computer -Engineering—Aerospace -Engineering—Biological -Engineering—Biomedical -Engineering—Chemical -Engineering—Computer -Engineering—Computer -Engineering—Electrical -Engineering—Electrical -Engineering—Houtsurial -Engineering—Mechanical -Engineering—Nuclear -Engineering—Petroleum -Engineering—Technology -Engineering -Environmental Sciences -Mathematical Sciences -Mathematical Sciences -Mathematical Sciences -Mathematical Sciences -Physical				
-Biology -Biotechnology -Chemistry -Computer Information Science -Computer Science -Computer Science -Computer Engineering—Aerospace -Engineering—Biological -Engineering—Biomedical -Engineering—Chemical -Engineering—Computer -Engineering—Environmental -Engineering—Environmental -Engineering—Industrial -Engineering—Nuclear -Engineering—Petroleum -Engineering—Petroleum -Engineering—Technology -Engineering -Environmental Sciences -Matterials Science -Mathematical Sciences -Mathematical Sciences -Physical Sciences -Physical Sciences -Physics -Technology—Chemical -Technology—Computer -Technology—Information -Technology—Anufacturing -Technology—Anufacturing -Technology—Anufacturing -Technology—Anufacturing -Technology—Chemical -Technology—Chemical -Technology—Computer -Technology—Anufacturing -Technology—Computer -Technology—Anufacturing -Technology—Other (Please describe)				
-Biotechnology -Chemistry -Computer Information Science -Computer Science -Computer -Engineering—Aerospace -Engineering—Biological -Engineering—Biomedical -Engineering—Computer -Engineering—Computer -Engineering—Electrical -Engineering—Electrical -Engineering—Industrial -Engineering—Nuclear -Engineering—Petroleum -Engineering—Petroleum -Engineering—Technology -Engineering -Environmental Sciences -Materials Science -Mathematical Sciences -Mathematics -Physics -Technology—Computer -Technology—Computer -Technology—Information -Technology—Manufacturing -Technology—Manufacturing -Technology -Other (Please describe)  Class				
-Chemistry -Computer Information Science -Computer Science -Computer Science -Computer -Engineering-Aerospace -Engineering-Biological -Engineering-Ghemical -Engineering-Chemical -Engineering-Computer -Engineering-Electrical -Engineering-Houtstrial -Engineering-Industrial -Engineering-Mechanical -Engineering-Petroleum -Engineering-Petroleum -Engineering-Technology -Engineering -Environmental Sciences -Materials Sciences -Materials Sciences -Mathematical Sciences -Mathematics -Physics -Technology-Chemical -Technology-Computer -Technology-Information -Technology-Manufacturing -Technology-Manufacturing -Technology -Other (Please describe)  Class	9.			
-Computer Information Science -Computer Science -Computer Science -Computer Engineering—Aerospace -Engineering—Biological -Engineering—Biomedical -Engineering—Chemical -Engineering—Computer -Engineering—Electrical -Engineering—Industrial -Engineering—Industrial -Engineering—Mechanical -Engineering—Nuclear -Engineering—Petroleum -Engineering—Technology -Engineering -Environmental Sciences -Matematical Sciences -Mathematical Sciences -Mathematics -Physical Sciences -Physics -Technology—Chemical -Technology—Computer -Technology—Gomputer -Technology—Manufacturing -Technology—Manufacturing -Technology—Other (Please describe) Class	93			
-Computer -Computer -Computer -Engineering-Aerospace -Engineering-Biological -Engineering-Biomedical -Engineering-Civil -Engineering-Computer -Engineering-Electrical -Engineering-Environmental -Engineering-Industrial -Engineering-Mechanical -Engineering-Mechanical -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-Manufacturing -Technology-Manufacturing -Technology-Other (Please describe)  Class				
-Computer -Engineering-Aerospace -Engineering-Biological -Engineering-Ghemical -Engineering-Chemical -Engineering-Computer -Engineering-Electrical -Engineering-Environmental -Engineering-Industrial -Engineering-Nuclear -Engineering-Nuclear -Engineering-Petroleum -Engineering-Petroleum -Engineering-Technology -Engineering -Environmental Sciences -Materials Science -Mathematical Sciences -Mathematical Sciences -Physical Sciences -Physics -Technology-Chemical -Technology-Computer -Technology-Manufacturing -Technology-Manufacturing -Technology -Other (Please describe)  Class				
-Engineering—Aerospace -Engineering—Biological -Engineering—Chemical -Engineering—Computer -Engineering—Computer -Engineering—Electrical -Engineering—Environmental -Engineering—Mechanical -Engineering—Mechanical -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				
-Engineering—Biological -Engineering—Chemical -Engineering—Civil -Engineering—Computer -Engineering—Electrical -Engineering—Environmental -Engineering—Industrial -Engineering—Nuclear -Engineering—Nuclear -Engineering—Petroleum -Engineering—Technology -Engineering -Environmental Sciences -Geosciences -Matterials Science -Mathematical Sciences -Physical Sciences -Physics -Technology—Chemical -Technology—Computer -Technology—Information -Technology—Manufacturing -Technology -Other (Please describe)  Class				
-Engineering—Biomedical -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 -Mathematical Sciences -Physical Sciences -Physics -Technology—Chemical -Technology—Computer -Technology—Computer -Technology—Manufacturing -Technology -Other (Please describe)  Class	0 0			
-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 -Technology -Other (Please describe)  Class				
-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 -Physical Sciences -Physical Sciences -Physical Sciences -Phology—Chemical -Technology—Chemical -Technology—Computer -Technology—Manufacturing -Technology—Manufacturing -Technology -Other (Please describe)  Class				
-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 -Physical Sciences -Physical Sciences -Physical Sciences -Phology-Chemical -Technology-Computer -Technology-Computer -Technology-Manufacturing -Technology-Manufacturing -Technology -Other (Please describe)  Class				
-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 -Physical Sciences -Physics -Technology-Chemical -Technology-Computer -Technology-Information -Technology-Manufacturing -Technology -Other (Please describe)  Class				
-Engineering-Environmental -Engineering-Industrial -Engineering-Mechanical -Engineering-Nuclear -Engineering-Petroleum -Engineering-Technology -Engineering -Environmental Sciences -Geosciences -Materials Science -Mathematical Sciences -Mathematics -Physical Sciences -Physical Sciences -Physics -Technology-Chemical -Technology-Computer -Technology-Information -Technology-Manufacturing -Technology -Other (Please describe)				
-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				
-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		***		
-Engineering—Nuclear -Engineering—Petroleum -Engineering -Environmental Sciences -Geosciences -Materials Science -Mathematical Sciences -Mathematics -Physical Sciences -Physical Sciences -Physical Sciences -Technology—Chemical -Technology—Computer -Technology—Information -Technology—Manufacturing -Technology -Other (Please describe)  Class		X		
-Engineering—Petroleum -Engineering—Technology -Engineering -Environmental Sciences -Geosciences -Materials Science -Mathematical Sciences -Mathematics -Physical Sciences -Physical Sciences -Physics -Technology—Chemical -Technology—Computer -Technology—Information -Technology—Manufacturing -Technology -Other (Please describe)  Class				
-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				
-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				
-Environmental Sciences -Geosciences -Materials Science -Mathematical Sciences -Mathematics -Physical Sciences -Physics -Technology—Chemical -Technology—Computer -Technology—Information -Technology—Manufacturing -Technology -Other (Please describe)  Class				
-Geosciences -Materials Science -Mathematical Sciences -Mathematics -Physical Sciences -Physics -Technology—Chemical -Technology—Computer -Technology—Information -Technology—Manufacturing -Technology -Other (Please describe)  Class				
-Materials Science -Mathematical Sciences -Mathematics -Physical Sciences -Physics -Technology—Chemical -Technology—Computer -Technology—Information -Technology—Manufacturing -Technology -Other (Please describe)  Class				
-Mathematical Sciences -Mathematics -Physical Sciences -Physics -Technology—Chemical -Technology—Computer -Technology—Information -Technology—Manufacturing -Technology -Other (Please describe)  Class				
-Mathematics -Physical Sciences -Physics -Technology—Chemical -Technology—Computer -Technology—Information -Technology—Manufacturing -Technology -Other (Please describe)				
-Physical Sciences -Physics -Technology—Chemical -Technology—Computer -Technology—Information -Technology—Manufacturing -Technology -Other (Please describe)  Class				
-Physics -Technology—Chemical -Technology—Computer -Technology—Information -Technology—Manufacturing -Technology -Other (Please describe)  Class				
-Technology-Chemical -Technology-Computer -Technology-Information -Technology-Manufacturing -Technology -Other (Please describe)  Class				
-Technology—Computer -Technology—Information -Technology—Manufacturing -Technology -Other (Please describe)  Class				
-Technology—Information -Technology—Manufacturing -Technology -Other (Please describe)  Class				
-Technology—Manufacturing -Technology -Other (Please describe)  Class				
-Technology -Other (Please describe)  Class				
-Other (Please describe) Class				
Class	9			
	,			
Selectione	Select one.			
-Freshman				
-Sophomore X		$\mathbf{x}$		
-Junior		2 \$		
-Senior				
-Graduate Student				

STEM-Related Internship Select onePaid -Unpaid -None Employment Hours/Week X Activities Select one or moreAcademic Support Services -Career Counseling/Job Placement -Community Building -Field Trips -Internships -Meetings/Conferences -Mentoring
-Paid -Unpaid -None  Employment Hours/Week  X  Activities Select one or moreAcademic Support Services -Career Counseling/Job Placement -Community Building -Field Trips -Internships -Meetings/Conferences
-Unpaid -None  Employment Hours/Week  X  X  Activities  Select one or moreAcademic Support Services -Career Counseling/Job Placement -Community Building -Field Trips -Internships -Meetings/Conferences
-None Employment Hours/Week X X Activities Select one or moreAcademic Support Services -Career Counseling/Job Placement -Community Building -Field Trips -Internships -Meetings/Conferences
Employment Hours/Week X X  Activities Select one or moreAcademic Support Services -Career Counseling/Job Placement -Community Building -Field Trips -Internships -Meetings/Conferences
Activities Select one or moreAcademic Support Services -Career Counseling/Job Placement -Community Building -Field Trips -Internships -Meetings/Conferences
Select one or more.  -Academic Support Services  -Career Counseling/Job Placement  -Community Building  -Field Trips  -Internships  -Meetings/Conferences
-Academic Support Services -Career Counseling/Job Placement -Community Building -Field Trips -Internships -Meetings/Conferences
-Career Counseling/Job Placement -Community Building -Field Trips -Internships -Meetings/Conferences
-Community Building -Field Trips -Internships -Meetings/Conferences
-Field Trips -Internships -Meetings/Conferences
-Internships -Meetings/Conferences
-Meetings/Conferences
-Meetings/Conferences
-Mentoring
-Recruitment
-Research Opportunities
-Seminars
-Other (please describe)
-None
Student Status:
Select one.
-Active
-Graduated Transformed
-Transferred -Leave of Absence
-Left Program Switched to a non-STEM major
-Left Program – Switched to a non-STEM major -Left Program – No longer full-time
-Left Program – No longer fun-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

Common Collection Categories Questions	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
	0	Ir	
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			v
-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)			
-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 500, with an estimated average annual response burden of 6,000 hours. The frequency of response is an average of two times per year.

Respondents are award PIs. There is an average of 500 active awards each year, with 500 total PIs (1 per award) and an average of 35 scholars per award. PIs must report on each student receiving S-STEM scholarship support for each semester or quarter, depending on the system used by their institution, 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 semester or quarter entering data on each scholar, for a total annual burden of approximately 6 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	500	6	2	6,000
Total	500			6,000

## 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 6,000 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 semester 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	500	6	2	6,000
Total		500			6,000

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

The overall annualized cost to the respondents is estimated to be \$252,000. 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, "Annual Report on the Economic Status of the Profession, 2014-15," *Academe*, March–April 2015, Survey Report Table 4. 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 \$87,838. When divided by the number of standard annual work hours (2,080), this calculates to approximately \$42 per hour.

Type of Respondent	No. of Respondents	Burden Hours Per Respondent	Responses	Average Hourly Rate	Estimated Annual Cost
PIs	500	6	2	\$42	\$252,000
Total	500				\$252,000

## 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 budget for the most recent year and calculating the costs for each of the following operational activities involved in producing, maintaining, and conducting the data collection:

Operational Activities	<b>Cost Over Three Years</b>
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)	\$359,259
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)	\$183,470
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 Followup Activities (e.g., providing data to other consultants)	\$221,693
Three-Year Total for All Operational Activities	\$764,457

The annualized cost was computed as one-third of the total three-year costs; thus, the annualized cost to NSF for the STEP data collection is \$254,819.

## **S-STEM:** Questions

Award Details and Program Activities
Award Details from FastLane
Award ID Number <sup>4</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
-rall

**Program 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 Demographics -Student Demographics -Student Demographics -Student Demographics -Seminars -Other (please describe) -None -Student Demographics -Student Demographics -Student Demographics -Student Demographics -Signification of the students of the st	The state of the s
-Academic Support Services -Career Counseling/Job Placement -Community Building -Field Trips -Internships -Meetings/Conferences -Mentoring -Recruitment -Research Opportunities -Seminars -Other (please describe) -None -Student Details -Name: First, Middle Initial, Last -mail Address -Degree Program -Select oneAssociate's -Bachelor's -Master's -Concurrent Bachelor's/Master's -Doctorate -First S-STEM Year -First S-STEM Year -First S-STEM Semester/Quarter -Select oneWinter -Spring -Summer -Fall -Career Goal -Student Demographics -Student Demographics -Student Demographics -Summer -Fall -Career Goal -Career	Program Activities
-Career Counseling/Job Placement -Community Building -Field Trips -Internships -Meetings/Conferences -Mester Opportunities -Seminars -Other (please describe) -None -None -Student Demographics -Student Details -Mame: First, Middle Initial, Last -Mamily English (Mamily Mamily Mami	
-Community Building -Field Trips -Internships -Meetings/Conferences -Mentoring -Recruitment -Research Opportunities -Seminars -Other (please describe) -None  Sudent Demographics Student Details Name: First, Middle Initial, Last -mail Address Degree Program Select oneAssociate's -Bachelor's -Master's -Concurrent Bachelor's/Master's -Doctorate First S-STEM Year First S-STEM Semester/Quarter Select oneWinter -Spring -Summer -Fall Career Goal Sudent Demographics Date of Birth: mm/dd/yyyy Gender Select oneMale -Female -Nor Reported or Unknown Race Select one or moreAmerican Indian or Alaska Native -Asian -Black or African American -Native Hawaiian or other Pacific Islander	
-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 oneAssociate's -Bachelor's -Master's -Concurrent Bachelor's/Master's -Doctorate First S-STEM Semester/Quarter Select oneWinter -Spring -Summer -Fall Career Goal Student Demographics Date of Birth: mm/dd/yyyy Gender Select oneMale -Female -Not Reported or Unknown Race Select one or moreAmerican Indian or Alaska Native -Asiaia -Black or African American -Native Hawaiian or other Pacific Islander	
-Internships -Meetings/Conferences -Meetings/Conferences -Mentoring -Recruitment -Research Opportunities -Seminars -Other (please describe) -None -Student Demographics -Student Demographics -Student Demographics	
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-Summer -Fall  Career Goal  Student Demographics  Date of Birth: mm/dd/yyyy  Gender Select oneMale -Female -Not Reported or Unknown  Race Select one or moreAmerican Indian or Alaska Native -Asian -Black or African American -Native Hawaiian or other Pacific Islander	
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-American Indian or Alaska Native -Asian -Black or African American -Native Hawaiian or other Pacific Islander	
-Asian -Black or African American -Native Hawaiian or other Pacific Islander	
-Black or African American -Native Hawaiian or other Pacific Islander	
-Native Hawaiian or other Pacific Islander	
-White	-Native Hawaiian or other Pacific Islander
	-White
-Not Reported or Unknown	-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