



NASA Goddard Space Flight Center
Office of Education
2018- 2019 STEM Academic Research Experience

Student Application

(Due no later than JULY 1, 2018)

Student Information:

Date _____

Name of Student _____

Mailing Address _____

City, State, Zip Code _____

United States Citizen Yes No

Will you be at least 16 years of age when the experience starts? Yes No
Grade level as of Fall 2018

Home Phone _____ Cell Phone _____

Email address _____

Current School _____ County/District _____

School Address _____

City, State, Zip _____

School Phone Number _____ Fax _____

School/Program Contact _____ Phone _____

School/Program Contact email _____

Student Availability for Placement:

Starting Time Ending Time Indicate Days: M T W T F

Student's STEM Educational Career:

Have you previously participated in any type of NASA student program(s) or any intern program with NASA or another STEM agency? Yes No

If yes, please provide program details such as: program name, date, location, mentor/coordinator's name, and their contact information.

Academic Achievement:

Current GPA (unweighted/weighted) _____/_____

List courses you have already completed in the following areas: Science, Computer Science, Engineering, Mathematics, Research/Other, Technology

9th	10th	11th	12th

Future College/University Plans:

Name(s) of University/College to which you have applied/plan to apply:

Expected Major area(s) of Study

Interest Preferences and STEM Project Essay:

1. **Interest Preferences** (Check all STEM areas that are of particular interest to you.)

Aerospace	Astronomy	Chemistry	Weather/Climate	Comp. Programming
Data Visualizations	Cryogenics	Earth Science	Engineering	Mathematics
Oceanography	Planetary Science	Remote Sensing	Solar Physics	Space Communications
Physics	Satellites	Space Science	Technology	Robotics
Materials Science	Astrophysics	Mission Safety	Optics	Adv. Manufacturing

2. **STEM Project Essay**

The essay introduces you to potential mentors and provides them with an understanding of your research project interests and goals. Remember that STEM ARE is not a NASA internship and that your project research is the work that you will be completing. Your essay should be a part of this application document. In drafting your essay, please address each of the following questions:

1. Briefly explain your desire to participate in a NASA Academic Research Experience at Goddard Space Flight Center and how this experience will support your current school curriculum requirements, academic interests, and future career goals.
2. In detail, describe your STEM research areas of interest, the status of your current research project, and how it relates to research at NASA Goddard. For background information on Goddard’s research areas, be sure to see the Organization Chart and links to each of the Goddard Directorates at <http://www.nasa.gov/centers/goddard/about/organizations/org2.html>.

3. Describe your STEM research interest/project and how it could be enhanced through an experience at GSFC.

Your STEM research proposal should include the following:

- a. Proposed Topic/Research Question (including identification of STEM Discipline area and the relationship to NASA)
- b. Draft Thesis Statement
- c. Summary of Preliminary Research
- d. Desired outcome(s) achieved through GSFC STEM Experience

3. Essay Assistance

- You may find it of value to review some of the features on the Goddard website, (<http://www.nasa.gov/centers/goddard/home/index.html>), particularly the sections entitled "About Goddard" (http://www.nasa.gov/centers/goddard/home/index_flash.html) "Goddard Virtual Tour" (<http://www.nasa.gov/externalflash/goddardVT/>)
- Content, style, grammar, and completeness are important to the clarity of your essay. It is strongly recommended that you have your essay reviewed by your school coordinator for feedback prior to submission.

STEM Project Essay: (Insert your essay here.)

School Internship Coordinator:

A recommendation from the School Internship Coordinator/STEM teacher/Guidance Counselor is required.

Name _____ Date _____

Position _____ Email _____

Parent/Guardian Information:

Name of Parent/Guardian _____

Student Signature:

I have reviewed this application and placement form. All information is accurate and complete.

I have the support and permission from my Parent/Guardian to participate in the STEM Academic Research Experience at NASA Goddard Space Flight Center.

Signature of Student _____ Date _____

The completed Application must be submitted no later than July 1, 2018 to :
GSFC-Education@mail.nasa.gov

Ms. Katherine Bender, Coordinator
STEM Academic Research Experience
Goddard Space Flight Center