

58th ANNUAL FRONTIERS OF SCIENCE INSTITUTE (FSI)

June 18 – July 29, 2017

UNIVERSITY OF NORTHERN COLORADO, GREELEY, COLORADO

OUT-OF-STATE (OUTSIDE COLORADO) APPLICATION FORM

Deadline: Until all spots are filled

Students should carefully read the enclosed announcement and all instructions before completing this application form. To be considered for admission you must submit:

1. This four-page application properly completed.
2. Three letters of recommendation (can be mailed w/application or emailed for online submission):
 - a. from a science, technology or mathematics teacher.
 - b. from an English teacher.
 - c. from a guidance counselor.
3. A transcript of your high school grades *including the first semester of the current school year*. Any available standardized test scores should be included (PSAT, ACT, SAT)

All materials should be sent together in one envelope. *For consideration, please send an email to lori.ball@unco.edu with notification of your intent to submit an application then send your completed application materials to the same email address or mail to:*

Lori K. Ball, Program Administrator
Frontiers of Science Institute
University of Northern Colorado
501 20th Street, CB 123
Greeley, CO 80639

1. PLEASE PRINT CLEARLY (in ink) OR TYPE ALL ANSWERS (preferred):

Name: _____
 last first middle initial

Address: _____
 mailing address city state zip code

Age: ____ Sex: ____M ____F Birthdate: _____ Year in school (So, Jr): _____

Student Email Address/Cell # _____

Parent Email Address/Cell # _____

School: _____ School Phone: (____) _____

GPA: _____ PSAT/ACT Scores: _____/_____ Class Rank: _____/_____

Statistical Data (has no bearing on admittance into program - **preferred, not required**)

Ethnic Background: ____African American ____Asian Indian ____Asian/Pacific ____Caucasian ____Latino/Hispanic
 ____Native American ____Other: _____

Are you first-generation college bound? ____ Yes ____No Do you live in a rural _____or an urban area _____?

How did you first learn about FSI? _____

Do you have family members who previously attended FSI? ____No ____Yes (If Yes, who?) _____

2. Please answer all questions briefly, yet clearly within the space provided:

A. List other institutions or programs, *outside of your high-school courses and activities*, in which you have participated (summer camps, college courses, community/volunteer activities, hobbies, etc.).

B. List all extra-curricular *high school* activities, *since 9th grade*, in which you have participated (student council, Science Olympiad, band, drama, FBLA, publications, athletics, MESA).

C. List all high school honors and awards, as well as any science fair projects you have completed.

1. Honors/Awards:

2. Science Fair Projects (*do not* include regular science course lab activities):

D. In paragraph form, describe what **you perceive** as your most favorable *and* least favorable characteristics (*no physical traits please*).

E. Please **type and attach** a 250 to 350-word essay explaining your interests in STEM (science, technology, engineering & mathematics), why you wish to attend FSI, what your expectations are of the program, and why you should be selected for an FSI scholarship.

F. While attending the six-week FSI program, you will be living in close contact with about thirty of your peers. What contributions will you make to your residential-life community and how do you hope to grow personally from the experience?

G. List any special skills (i.e., artistic, proficiency in Web Design, public speaking, writing, etc.).

H. *Concerning research*, rank the top three subject areas (1 to 3) in which you are most interested.

- ___ Astronomy ___ Atmospheric Science ___ Cellular/Molecular Biology ___ Pre-Health/Biomedical
___ Chemistry ___ Computer Programming ___ Dietetics ___ Ecology ___ Engineering ___ Physics
___ Environmental Earth ___ Geology ___ Mathematics ___ Meteorology Other _____

I. List *at least one* advanced topic that you would like to learn about in each area:

- Science:** _____
Technology: _____
Engineering: _____
Mathematics: _____

J. Which is your anticipated education degree goal beyond high school?

1. Bachelors _____ Masters _____ Doctorate _____ Other _____

2. List three (3) careers that interest you.

- 1)
- 2)
- 3)

K. Are you interested in taking the FSI course for UNC college credit (4 credits)? ___ Y ___ N

All applicants submitting a complete out-of-state application will be considered for independent scholar admittance to the program and will be notified of their status soon after application is received.

3. Statement of Applicant

I, _____, verify that I have answered all of the above questions truthfully, and that my interest in attending FSI is sincere. I understand, in the event that I am offered an *independent scholar option* to attend the 2017 summer program, that I am making a full six-week commitment.

Signature of Applicant: _____ **Date:** _____
(If you are submitting your FSI application online and do not have an electronic signature, please mail page 4 to FSI with appropriate signatures)

4. Statement of Parent/Guardian:

As the **parent/guardian** of the above-named applicant, I/we approve _____'s application
(circle which) Student's name
for admission to the Frontiers of Science Institute as an independent scholar. ***Upon receipt and acceptance of FSI's formal invitation to attend the 2017 program, I/we accept responsibility for payment of the non-refundable \$1,500 deposit and remaining independent scholar participation fee of \$2,000. Payment in full is accepted at any time.***

I/we also understand that neither the University of Northern Colorado nor the Frontiers of Science Institute will provide insurance on, or provide payment of, medical or hospital charges for my child participant. I/we take responsibility for any and all medical needs throughout their entire 6-week participation in FSI and will provide personal insurance information upon acceptance into the program.

Signature of Parent/Guardian: _____ **Date:** _____
(For online submission without an electronic signature, please mail page 4 to FSI with appropriate signatures)

_____ Parent/Guardian #1	_____ Parent/Guardian #2
() () _____ Cell # Work #	() () _____ Cell # Work #
_____ Mailing address	_____ Mailing address (if different)
_____ City State Zip	_____ City State Zip
Employer: _____	Employer: _____

Address any questions regarding the 2017 program or this application to:

Lori K. Ball, Program Administrator
Daytime phone: 970.351.2976
Evening phone: 970.396.9650
E-mail address: lori.ball@unco.edu
Web address: www.fsiunc.org

Frontiers of Science Institute Recommendation Request

_____ is applying for admission to the Frontiers of Science Institute. We would appreciate your comments on this student's potential to successfully complete a six-week summer, residential, hands-on STEM (science, technology, engineering & mathematics) program. Some information helpful for our evaluation includes:

- number of years you have known the student
- ability to work independently or unsupervised
- self-motivation and attitude
- ability to work in a group
- interest level in STEM subjects
- academic ability
- description of any completed science projects or programming experience

Thank you for your help.

Applicant: Please detach and give to your science/technology/mathematics teacher.

Frontiers of Science Institute Recommendation Request

_____ is applying for admission to the Frontiers of Science Institute. We would appreciate your comments on this student's potential to successfully complete a six-week summer, residential, hands-on STEM (science, technology, engineering, mathematics) program. Some information helpful for our evaluation includes:

- number of years you have known the student
- ability to work independently or unsupervised
- self-motivation and attitude
- ability to work in a group
- interest level in STEM subjects
- academic and writing ability
- description of any lengthy writing assignments completed by the student

Thank you for your help.

Applicant: Please detach and give to your English teacher.

Frontiers of Science Institute Recommendation Request

_____ is applying for admission to the Frontiers of Science Institute. We would appreciate your comments on this student's potential to successfully complete a six-week summer, residential, hands-on STEM (science, technology, engineering & mathematics) program. Some information helpful for our evaluation includes:

- number of years you have known the student
- ability to work independently or unsupervised
- self-motivation and attitude
- ability to work in a group
- interest level in STEM subjects
- academic ability
- confidence, social skills, assertiveness, ability to live away from home

Thank you for your help.

Applicant: Please detach and give to your counselor.