

58th ANNUAL FRONTIERS OF SCIENCE INSTITUTE (FSI)

June 18 – July 29, 2017

UNIVERSITY OF NORTHERN COLORADO, GREELEY, COLORADO

COLORADO & WYOMING APPLICATION FORM

Priority Deadline: March 13, 2017/Extended Deadline: May 15, 2017

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 of first-round awards, your application and all supporting materials should be received by the priority deadline date of March 13, 2017.* Applications received by the extended deadline date of May 15, will be considered for second-round FSI admission and/or scholarship selections. A postmark date is sufficient. Email completed application materials to lori.ball@unco.edu 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 application will be notified of their status by June 1st. *Only select students will receive scholarships.*

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 accepted to attend the 2017 summer program on scholarship or as an independent scholar, that I am making a 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. I/we accept responsibility for payment of the non-refundable \$1,000 FSI registration fee in the event my/our child is selected as a 2017 scholar ___ *or* due to our family's *extreme* financial hardship, I/we have attached a detailed letter requesting a partial waiver of the registration fee ___ (proof of income may be requested). *I understand the registration fee is payable to FSI upon our final acceptance of an offer to attend.*

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)

_____ Mother/Female Guardian		_____ Father/Male Guardian			
() _____ Cell #	() _____ Work #	() _____ Cell #	() _____ Work #		
_____ Mailing address		_____ Mailing address (if different)			
_____ City	_____ State	_____ City	_____ State	_____ Zip	_____ Zip
Employer: _____		Employer: _____			
Family income (required): ___ up to \$49,999 ___ \$50,000-\$79,999 ___ \$80,000+					

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.