

# NORTH CAROLINA CENTRAL UNIVERSITY'S

## INITIATIVE for TRANSFORMING and SUSTAINING SCIENCE, TECHNOLOGY, ENGINEERING and MATHEMATICS (ITSSTEM) PROGRAM



National Science Foundation  
WHERE DISCOVERIES BEGIN



### APPLICATION FORM

ITSSTEM is A National Science Foundation (NSF) Sponsored Program  
(Your completed application will be Confidential)

**IMPORTANT:** ITSSTEM is a NSF sponsored program for minority and/or underrepresented students. ITSSTEM accepts students who plan to major in Biology, Chemistry, Computer Science, Environmental Science, Geography, Mathematics, or Physics. *This application must be completed and postmarked via first class or certified mail on or before May 6, 2009. Online applications need to be submitted no later than 12:00 midnight on the evening of May 8, 2009. A separate official transcript will be required as part of your ITSSTEM Application. The summer program dates are June 14-July 24, 2009. The six weeks, seven day a week summer program is full-time. All students will be required to attend the entire program, weekends included. Exceptions will not be made to the above requirements. ITSSTEM Students must participate in Science, Technology, Engineering, and Mathematics (STEM) related enrichment, training, research and educational programs throughout the NSF grant funding period.*

School:  County:

#### Instructions to Student:

#### SECTION 1: To Be Completed By The Student

**1. Fill your part of this application as soon as possible.**

You must give the teacher who is evaluating you and your school guidance counselor sufficient time to complete their portions by the post mark deadline.

2. Complete Section 1 parts A through C, reading the directions thoroughly and following them carefully. Be sure to answer every question. **Print neatly using black ink.** When you've finished, you and a custodial parent or guardian must sign a printed copy at the bottom of Section 1/Part D.

3. After you finish Section 1, take the application to a mathematics or science teacher who has taught you and ask them to complete section 2. Evaluations from your teacher and/or guidance counselor can either be completed online or they can provide it to you in a sealed envelope with their signature over the seal to be sent along with your completed application packet. If this application is completed online, an ID number will be generated for you. Please provide your recommender with this number to be used for completing a recommendation for you online. If mailed, all sections of the application must be mailed together.

4. A separate official transcript needs to be included in your application packet or forwarded to the ITSSTEM Program Manager by the application deadline.

#### Section/1 PART A: Basic Information and Demographic Data

Last Name:  First:  Middle:

Email:  Gender\*: Male Female

Date of birth (MM/DD/YYYY):  Current age\*:

\*SEE EQUAL OPPORTUNITY STATEMENT ON THE LAST PAGE

Ethnic group\*:

- Native American (including Alaskan native)
- Hispanic (Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish origin, regardless of race)
- African American (non-Hispanic)
- Other (specify):

**Mailing Address**

COMPLETE STREET ADDRESS:  CITY:

COUNTY:  STATE:  ZIP CODE:

TELEPHONE NUMBER:

**Parent or Guardian Information**

LAST NAME:  FIRST  MIDDLE  RELATIONSHIP TO YOU:

COMPLETE STREET ADDRESS:  CITY:

STATE:  ZIP CODE:  TELEPHONE NUMBER:

If you do not live with your parent or guardian listed above, provide the following information for the adult with whom you do live.

LAST NAME:  FIRST  MIDDLE  RELATIONSHIP TO YOU:

**SECTION 1/PART B: Information For The Selection Committee**

The admissions committee evaluates both your academic record and your motivation to pursue science and mathematics activities beyond your class work. Thus, it is important that you give as complete a picture as possible of your participation in such activities both prior to and during high school.

Check or Circle all the grades you were in when you did any of the following activities.

**Belonged to science club**

before 9<sup>th</sup>  9<sup>th</sup>  10<sup>th</sup>  11<sup>th</sup>  12<sup>th</sup>

**Belonged to mathematics club**

before 9<sup>th</sup>  9<sup>th</sup>  10<sup>th</sup>  11<sup>th</sup>  12<sup>th</sup>

**Belonged to computer club**

before 9<sup>th</sup>  9<sup>th</sup>  10<sup>th</sup>  11<sup>th</sup>  12<sup>th</sup>

**Entered science competition**

before 9<sup>th</sup>  9<sup>th</sup>  10<sup>th</sup>  11<sup>th</sup>  12<sup>th</sup>

**Entered mathematics competition**

before 9<sup>th</sup>  9<sup>th</sup>  10<sup>th</sup>  11<sup>th</sup>  12<sup>th</sup>

**Entered technology competition**

before 9<sup>th</sup>  9<sup>th</sup>  10<sup>th</sup>  11<sup>th</sup>  12<sup>th</sup>

**Participated in the MSEN**

before 9<sup>th</sup>  9<sup>th</sup>  10<sup>th</sup>  11<sup>th</sup>  12<sup>th</sup>

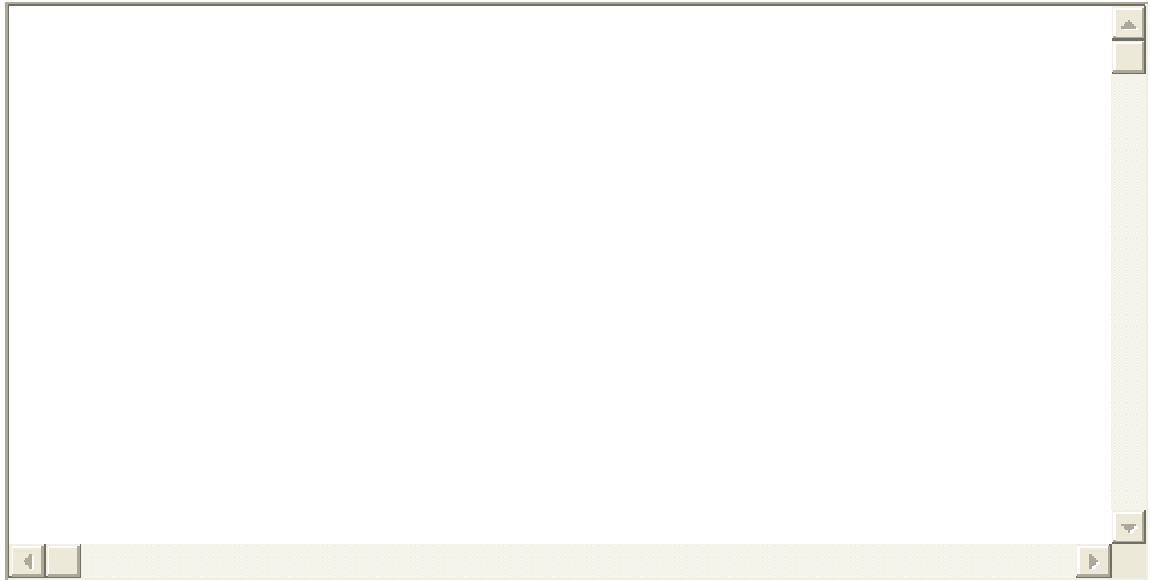
**Pre-College Program**

If you circled/checked any of the above activities beyond 8<sup>th</sup> grade, please provide additional information including

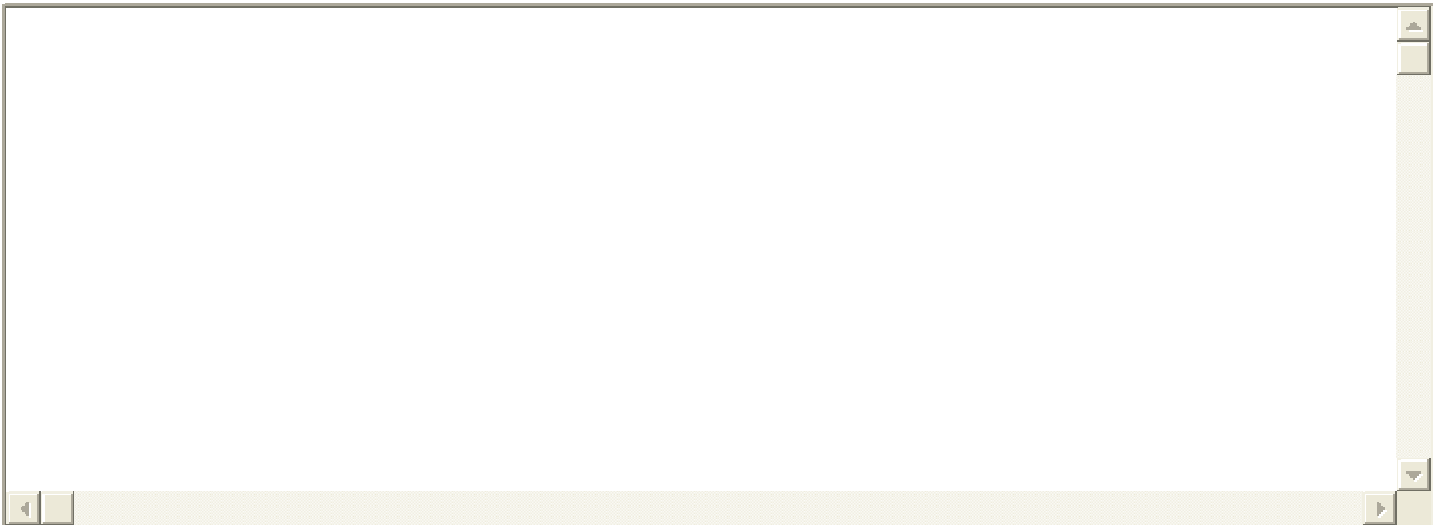
- 1) the names of all competitions or clubs,
- 2) any awards and recognitions you received, and
- 3) the titles or subjects of projects you entered in competition.

**If space is not sufficient to adequately answer these questions, please add an attachment.**

**Do not abbreviate names of programs.**



List other activities and independent projects, outside of regular class work including extracurricular and sports. Include such items as hobbies that are based on problem-solving: mathematics, science and computer projects and badges in 4-H and Scouts, attendance at science or math camps; participation in Am. H.S. Math Exam and application to the North Carolina School of Science and Mathematics or the other academic science and mathematics programs. Please give full names and location of programs, and indicate if you completed each one. Do not repeat items given above.



Tell us what careers you are currently considering; check as many as you wish. If you have no idea at all about your career choice, mark "undecided."

- |   |   |
|---|---|
| <input type="checkbox"/> mathematician/actuary/statistician | <input type="checkbox"/> writing/editing/publication  |
| <input type="checkbox"/> academic/educator                  | <input type="checkbox"/> artists/graphics   |
| <input type="checkbox"/> executive/managerial/company owner | <input type="checkbox"/> computer/technical/engineering   |
| <input type="checkbox"/> engineering                        | <input type="checkbox"/> scientist (bio/chem./physics, archeology,<br>earth/environmental sciences, etc.) |
| <input type="checkbox"/> other/undecided                    |   |

How do you think you would contribute to the ITSTEM program if accepted?

### SECTION 1/PART C: Special Needs Information

In doing placement of students who are accepted, we need to take in consideration severe hearing and visual impairments, cerebral palsy, scoliosis and other crippling conditions, pulmonary disorders, severe allergies, asthma, learning disabilities, language problems, and other factors that may limit a student's activities, require special assistance or preparation at the summer institute, or affect site or assignments.

1. Do you have a physical handicap that requires attention?\* Yes No

If yes, please describe:

2. Do you have a learning disability?\* Yes No

3. Is English a second language for you?\* Yes No

**SECTION 1/PART D**  
**Release and Signatures**

Please verify that the information that has been given above by the student is true and accurate.

- We have read the Initiative for Transforming and Sustaining Science, Technology, Engineering and Mathematics (ITSSTEM) brochure and understand that the summer institute is academically rigorous and meant for students who are academically talented, actively pursuing an interest in science and mathematics, self-motivated, and able to handle the responsibility of being away from home for six week.
- We recognize that Initiative for Transforming and Sustaining Science, Technology, Engineering and Mathematics (ITSSTEM) is a major investment by North Carolina Central University and is intended for students who have **elected to enroll at North Carolina Central University in the Fall Semester 2009**, and is subject to the National Science Foundation funding. **All students accepted into this program are required to attend the six week summer program prior to their freshman year and remain in the program throughout their matriculation at NCCU. He or she will be required to be in attendance the entire six-weeks, and must participate in all weekend activities. This program is seven days a week for six-weeks and you will be required to live on campus.**
- We understand that although room, board, and fees are provided free of charge (for the summer program) the student's family or guardian must assume responsibility for a medical examination and any necessary immunization for the student prior to enrollment, transportation to and from the site, pocket money for the student's incidental personal expenses, and payment for any medical expenses incurred by the student during the summer program.
- If the student is accepted into Initiative for Transforming and Sustaining Science, Technology, Engineering and Mathematics (ITSSTEM), we agree to adhere to rules and regulations concerning students' responsibilities in the academic and the residential life programs.
- We understand that participants must participate in all extra-curricular activities and will be financially responsible for activities, which cannot be covered by the grant (bowling, skating, movies, amusement parks, etc.).
- We understand that the Program Manager of the summer institute has the right to dismiss any student whose behavior is not consistent with the goals and standards of ITSSTEM. Students dismissed from the program due to behavioral problems will be required to repay the costs, which ITSSTEM has paid for their participation (dorm and meal expenses).
- We agree to let information in this application and other records resulting from the student applying to and attending ITSSTEM be used by the Initiative for Transforming and Sustaining Science, Technology, Engineering and Mathematics (ITSSTEM) program in approved research and be made available on a confidential basis to the student's home school and other educational institutions. If the student is accepted, we agree that this application may be given to appropriate ITSSTEM personnel as a source of information about the student.
- We agree that the student, if accepted into Initiative for Transforming and Sustaining Science, Technology, Engineering and Mathematics (ITSSTEM), will participate in the completion of questionnaires and other appropriate and approved research projects done as part of the program's evaluation. We also agree that photographs of the student taken during the program, papers written by the student during the program, and similar items may be used by ITSSTEM in reports and public information materials. We further agree to allow ITSSTEM to release for educational purposes photographs and video recordings, with or without audio, of ITSSTEM activities and projects involving the student.
- We agree: 1) that so-called directory information about the student, including student's name and address, school, year in school, and parents' names and addresses may be released at the discretion of the ITSSTEM administrative staff to other educational programs that would like to send brochures and application forms to ITSSTEM applicants and 2) that, if the student is accepted to ITSSTEM, this information may be used in press releases, student directories and similar publications.
- We request that since admissions material are not covered under the Buckley Amendment (Family Rights and Privacy Act); **all materials obtained by ITSSTEM as part of the admissions process are confidential and are not available for review by the applicant and parents or guardian.**
- The ITSSTEM Program is not just a summer enrichment program it is a comprehensive program which continues during the students' tenure at NCCU. An \$800 stipend will be given to those students who receive a 3.0 or better at the end of the fall semester for their successful academic performance, as well as participation and attendance in **all** ITSSTEM Activities.
- The ITSSTEM Program is for STEM majors who will pursue their undergraduate academic career at NCCU.

*Both signatures are required for the application to be accepted.*

STUDENTS SIGNATURE

DATE

CUSTODIAL PARENT/GUARDIAN'S SIGNATURE

DATE

**When the information is completed, if you choose to send the application by mail, forward to:**

Calvin D. Coleman, Program Manager  
Initiative for Transforming and Sustaining Science,  
Technology, Engineering and Mathematics (ITSSTEM) Program  
North Carolina Central University  
1801 Fayetteville Street  
240 Alexander-Dunn Building  
Durham, NC 27707

Please make sure that both sections are together when mailed. **All completed applications must be postmarked on or before May 6, 2009 by, first class, priority or overnight mail. Online applications are due no later than 12:00 midnight on the evening of May 8, 2009.**

**Applications postmarked after this date will not be considered.**

#### **IMPORTANT DATES**

- **May 18-19, 2009 – Notification of Interview Selection**
- **May 23, 2009 – On Campus Interview Date**
- **May 30, 2009 – On Campus Interview Date**
- **June 2-3, 2009 – Notification of Acceptance into the Program**
- **June 14, 2009 – Summer Enrichment Program Begins**
- **July 24, 2009 – Summer Enrichment Program Ends**

#### **\*EQUAL OPPORTUNITY INFORMATION**

NORTH CAROLINA CENTRAL UNIVERSITY  
A Constituent Institution of the University of North Carolina

North Carolina Central University is committed to equality of educational opportunity and does not discriminate against applicants, students, or employees based on race, color, national origin, religion, sex, age, or disability. Moreover, North Carolina Central University is open to people of all races and actively seeks to promote racial integration by recruiting and enrolling a larger number of white students. This commitment is in keeping with Title IX of the Educational Amendments of 1972 and Section 504, Rehabilitation Act of 1973.