



*HBCU-UP Administration*


- ▶ President: Dr. Luns C. Richardson, Ex-Officio; Chairman, External Advisory Committee
- ▶ Principal Investigator (PI): Dr. Leroy Staggers, Academic Dean
- ▶ Co-Principal Investigator (Co-PI): Dr. Radman M. Ali, Chair, Division of Natural Sciences and Mathematics
- ▶ Testing-Learning Center Director: Dr. Maggie Glover
- ▶ Project Secretary: Mrs. Linda Rowe



*Additional Information*

**Dr. Radman M. Ali, Project Director**  
**Division of Natural Sciences and Mathematics**

**Morris College**  
**100 West College Street, Sumter, SC 29150-3599**  
**803-934-3266**  
**Fax: 803-778-2695**  
**E-mail: rali@morris.edu**

# MORRIS COLLEGE

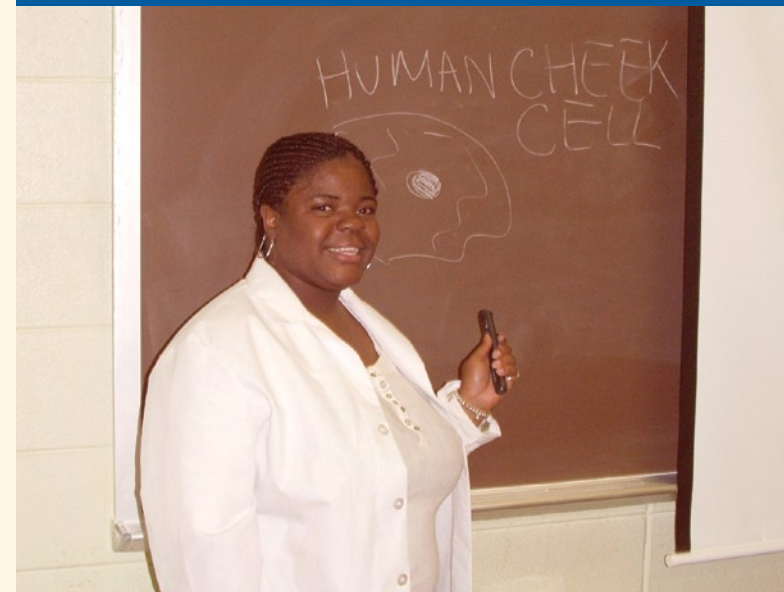
---

## The Historically Black Colleges and Universities Undergraduate Program (HBCU-UP)

of the Division of Natural Sciences and Mathematics

- ▶ Undergraduate Research,
- ▶ Scholarships, Assistantships,
- ▶ and Academic Preparation

Sponsored by Grant #0411383 from the National Science Foundation (NSF)



MORRIS COLLEGE

100 West College Street  
Sumter, South Carolina 29150-3599  
www.morris.edu

"At Morris College we seek to broaden your horizons and to nurture your spirit through experiences that are intellectual, organizational, and social. From these experiences, we offer you the opportunity to develop into mature adults who can exemplify the college's motto: *Enter to Learn; Depart to Serve.*"

—President Luns C. Richardson

# NEW OPPORTUNITIES FOR UNDERGRADUATE EXCELLENCE

**W**hat is HBCU-UP? The acronym stands for Historically Black Colleges and Universities - Undergraduate Program. It is a federally sponsored program funded by the National Science Foundation (NSF) for five years (2004–2009). The program is designed to increase the number of African-American students enrolled at HBCUs in the STEM (Science, Technology, Engineering and Mathematics) majors.



The program complements the activities of other private and federally sponsored programs on the campus: The Louis Stokes' South Carolina Alliance for Minority Participation (SCAMP) and the Howard Hughes Medical Institute Program (HHMI).

## *What are HBCU-UP's Goals?*

One goal of the program is to institute fundamental and sustainable STEM curricular and pedagogical changes that will significantly improve student achievement, retention and the graduation rate. Another goal is to improve student performance on the Graduate Record Examination (GRE), thereby increasing the number of Morris College graduates who plan to enter graduate-level STEM programs. The ultimate goal of the program is to broaden the base of African-American students in the national STEM workforce.

## *What are the Program Objectives?*

The objectives of this project are:

- ▶ To better prepare students for STEM careers
- ▶ To integrate undergraduate research into the STEM curriculum
- ▶ To conduct a Summer Enrichment Program (SEP) for high-achieving high school graduates
- ▶ To infuse scientific and computer technology into the STEM curriculum



## *What are the Program Activities?*

- ▶ Research opportunities on-campus and off campus for STEM students
- ▶ Presenting research results in a professional scientific format and in the form of a written scientific paper
- ▶ Presentation of research results at a national scientific meeting or conference
- ▶ Participation in social events such as banquets, cookouts, bowling, movies and skating (as time permits)
- ▶ Conducting a Summer Enrichment Program for high-school graduates that involves college courses (for credit), enrichment activities, field trips and \$1000 stipends (Criteria are listed under Financial Assistance)

## *Continuing Program Activities*

- ▶ Developing a "Community of Scholars"
- ▶ Increasing the number of students in research
- ▶ Expanding research areas
- ▶ Increasing the number of graduates in STEM majors
- ▶ Increasing the number of graduates who go on to graduate schools and research careers
- ▶ Improving student scores on standardized tests
- ▶ Enhancing the Biology and Mathematics curricula
- ▶ Faculty development
- ▶ Remodeling an Animal Room
- ▶ Increasing research collaboration between Morris College and the state's major research institutions



## *Financial Assistance*

### **High School Graduates**

- ▶ Stipends of \$3000 or \$5000/year are available to high school graduates who meet the following criteria:
- ▶ A strong science (biology, chemistry, physics) and mathematics background or a B average or better on college courses
- ▶ GPA of 3.0 or above on a 4-point scale or 4.0 and above on a 5-point scale. The higher the GPA, the higher the stipend.
- ▶ A SAT score of 1000 or above (on old test) or 1600 and above (on the new test) or an ACT score of 22 or above

### **College STEM Students**

STEM students are eligible to receive stipends of \$3000 or \$5000/year if they maintain a 3.0 GPA or higher each semester and receive grades no lower than a C in their major-required courses. The higher the GPAs, the higher the stipends: 3.5 or higher, \$5,000; 3.0 to 3.49, \$3,000.

## *Notes:*

- ▶ Students who receive stipends will not be permitted to accept outside employment and are expected to devote their time to studying, conducting research, tutoring and mentoring other students, preparing for standardized tests, and performing other academic activities.
- ▶ During the summer, two exceptional STEM students will be hired as peer counselors to SEP participants
- ▶ Three stipends will be allocated to exceptional Biology/Education majors who plan to teach science after graduation.