Among the main objectives of the DOE-EM program are:

- To prepare students to become health inspectors and professionals capable of protecting public health and safety against growing and emerging environmental hazards.
- To prepare Science, Technology, Engineering and Mathematics (STEM) students for scientific and research careers, thus enabling them to assume professional and leadership positions at DOE-EM or at any other national environmental health facilities.

**Majors in the Division of Natural Sciences and Mathematics:**
- Biology
- Biology/Secondary Education
- Mathematics
- Mathematics/Secondary Education

**Collaborative programs with other institutions:**
- Pre-nursing (USC-Columbia)
- Pre-engineering (Clemson University, USC)
- Dual Math/Engineering degrees (NC A&T State)
The Division of Natural Sciences and Mathematics Prepares Students to Make an Impact on the 21st Century

Students in the Division of Natural Sciences and Mathematics have an opportunity to prepare for a number of exciting career possibilities. Those wishing to enter the fields of engineering, nursing, medicine, dentistry, pharmacy, or the allied health professions will benefit greatly from our program. We also offer an excellent curriculum for future mathematics and science teachers.

Although the Division does not offer majors in nursing or engineering, it participates in collaborative programs with other institutions in prenursing (USC-Columbia) and pre-engineering (Clemson University, USC) and offers a dual degree program in mathematics-engineering with North Carolina A&T State University, NCAT). Upon completion of the dual degree requirements at NCAT, students receive a BS degree in mathematics from Morris College and a BS degree in engineering from NCAT.

While pursuing a degree in the the Division of Natural Sciences and Mathematics at Morris, students enjoy the activities of the STEM (Science, Technology, Engineering and Mathematics) Club. This club fosters camaraderie and cohesion among the members and makes it possible for students to assume leadership roles among their peers.

Field trips, undertaken in connection with biology courses, broaden students’ perspectives by providing opportunities to observe activities and phenomena firsthand. During their tenure at Morris College, students may participate in summer research and enrichment programs at other institutions throughout the nation. In addition, the division’s Scientific Lecture Series exposes students to professional role models in research, academe, the health fields, and technology.

Student Research

Undergraduate research is assuming an increasingly important role in student preparation for the future. In order to be transformed from passive recipients of information to creators of knowledge, students have the opportunity to participate in undergraduate research, sponsored by the Department of Energy-Environmental Management Project. Under this program students may qualify for summer stipends, housing and travel allowances. To qualify for these allowances, students must have a GPA of 3.0 or higher on a 4-point scale. Research projects are conducted jointly by students and their mentoring faculty members. Summer training and research are conducted at other institutions and in national laboratories.

Majors Overview

Biology Majors are presented with an integrated concept of life as manifested in animals, plants, and microorganisms. This concept reveals characteristics common to all forms of life and accentuates the dependence of one form on another, either directly or indirectly. We endeavor to demonstrate the interrelationships and organization of living organisms with their abiotic environment. This and other thought-provoking exercises will provide the necessary background for advanced study toward a career in the medical fields, academe, research, or in education. Morris College has long been associated with producing excellent educators throughout the Southeast.

Mathematics Majors are first required to prove a firm understanding of the basic concepts, methods and formulas in mathematics. Beyond the basics, students will develop proficiency in the use of the symbolic language of mathematics, as well as the use of computers for modern day applications. The application of age-old formulas with blazing technology makes the challenge of problem-solving fun, and will prepare our students for tomorrow’s workplace.

Some of our graduates will go on to teach mathematics at the secondary level, and others will address tomorrow’s challenges using computer science and technology. Either way, the graduates of this program are finding rewarding, challenging careers.

To help students attain their career goals, the Division makes available study materials, including CDs, DVDs, books, and software programs, to prepare for the Graduate Record Examination (GRE) and the Medical College Admission Test (MCAT). The Morris College –HBCU-UP Testing/Learning Center is the hub of these academic activities.

Environmental Management Scholarships

The newly instituted DOE-Em (Department of Energy – Environmental Management) Project provides to qualified students cost of education scholarships ($16,006/year), a summer research or training internship stipend ($5,600/year), a summer housing allowance while on research or training internship ($3,000/year) and travel expenses to and from the internship or research site ($870/year).

To be eligible for these lucrative allowances, students must have and must maintain 3.0 GPA or higher every year. Lower GPAs will disqualify students of this program.

For additional information, please call or write:
Dr. Radman M. Ali, Chairperson
Division of Natural Sciences and Mathematics
Morris College, 100 West College Street, Sumter, SC 29150-3599
Tel. 803-934-3266, Fax: 803-778-2695
E-mail: rali@morris.edu