

The Department of Mathematics serves every program at East Carolina University through the Foundations Curriculum and other service courses. Department faculty are active researchers with national and international reputations in their areas of specialty. The Department offers the BA, BS and MA degrees. Many students choose double majors with disciplines such as physics, chemistry, economics, and education.

Strategic Goals:

Institutionalize a system of paid “Research leaves” to give faculty the opportunity to spend a year or a semester at another university.

Recruit more students into both the undergraduate and graduate programs.

Organize a regular seminar aimed at graduate students.

Establish a permanent “Visiting scholar” position to bring in researchers for a semester or a year.

Establish a joint master’s program with Economics, while supporting the Ph.D. in Economics with graduate-level courses in mathematics.

Staffing needs:

One tenure-track position in Probability/Statistics: The Department serves the Engineering and Nursing programs, both of which are in a high growth stage, through coursework in statistics. Other faculty research programs are supported through statistical consulting.

Two tenure-track positions in mathematics to support the six-course mathematics sequence in the Engineering program.

Five fixed-term positions for freshman-level courses.

Connection with University Strategic Directions:

21st Century Education

Improvements in the offerings of Foundations courses will support the First Year Experience program in increasing retention of students coming to ECU.

Building the Economy of the East

The Department will contribute to development of a technically literate workforce through the increased numbers of graduates in mathematics, and its support of the engineering and nursing programs.

Researchers in the Department will continue to bring funding to the University from sources such as the National Science Foundation and the National Security Agency.