

DEPARTMENT OF MATHEMATICS

OBJECTIVES

The objectives of the Department of Mathematics are as follows:

- To develop the quantitative skills of curious students who enjoy the enterprise of problem solving and the reward of discovery.
- To encourage students to pursue advance training in mathematics commensurate with their goals and talents.
- To illustrate the role of mathematics in research and related areas of specific endeavor.
- To prepare effective teachers of mathematics and competent mathematicians for work in business, government and industry.
- To offer a course of study in mathematics for students entering the University with mathematics deficiencies.
- To offer courses essential for those students pursuing study in fields other than mathematics, including those that elect to minor in mathematics.

The Department of Mathematics offers the Bachelor of Science Degree in Mathematics(BS) and the Bachelor of Science in Education Degree in Mathematics Education(BSEd) with concentrations in various areas of Pure and Applied Mathematics.

Students interested in obtaining either the BS degree or the BSEd degree must meet all admission requirements into Jackson State University. Upon admission into the University a student must declare a major in mathematics or mathematics education. There are no special requirements set by the Department of Mathematics for admission into any of its programs. A student who is interested in majoring in mathematics should have an adequate mathematics preparation in high school to begin at the calculus sequence. Mathematics majors who begin under the calculus sequence may use those courses toward general electives for graduation.

To receive the BS or BSEd degree a student must maintain an overall GPA of at least 2.0 and at least 2.5 in all core mathematics and English courses. The total numbers of hours of course work for the BS or BSEd is at most 124 semester hours including transfer credits. In addition, to receive the BSEd degree a student must be admitted to the Teacher Education Program which is sought through the College Of Education and Human Development. Students interested in entering teacher education should

see **Requirements for Admission to Teacher Education** in this issue of the Jackson State University Catalog under **THE COLLEGE OF EDUCATION AND HUMAN DEVELOPMENT**.