



MATHEMATICS

FACULTY OF SCIENCE



SCAN ME

Mathematics is the science of structure, quantity, change and space and the interactions between them. While mathematical ideas can be inspired by everyday observations, it is a characteristic feature of mathematical truth that it is derived with logical

reasoning on the basis of sound definitions. Mathematics dates back to ancient times, but has undergone some of its most dramatic advances in the modern era. Nowadays it can be considered as one of the most successful collective human endeavors. Each day mathematicians all over the world prove hundreds of new theorems and solve numerous open problems and in this way they contribute to the systematic body of knowledge that comprises modern mathematics.

WHO WOULD BE INTERESTED IN THIS MAJOR?

Those who are interested in mathematics and science in general and who are excited about analyzing complex problems rigorously should seriously consider majoring in mathematics. While the ability and confidence to learn mathematics is required, even more important is a fascination with new ideas.

WHAT COURSES WILL YOU TAKE?

The compulsory courses listed below must be included in your selection of courses for a major in Mathematics.

1ST YEAR LEVEL COURSES

- Mathematics 1031 and Mathematics 1032 or equivalent
- Fundamentals of Mathematics

2ND YEAR LEVEL COURSES

- Mathematics 2000

3RD YEAR LEVEL COURSES

- Mathematics 3000

Many students major in both Mathematics and Applied Mathematics because there is considerable overlap in the requirements of the two majors and because this approach leads to the broadest possible range of career opportunities and the deepest possible understanding of mathematics in general. Other popular combinations are with computer science, physics and statistics.

CAREER OPPORTUNITIES FOR GRADUATES

Mathematics is a popular subject among students. Mathematicians have excellent career opportunities and they are highly valued by employers for their problem solving skills and their ability in analyzing complex and abstract problems. The fact that these skills are transferable and that mathematics is relevant to almost every aspect of modern life explains why mathematicians have a huge variety of job opportunities.

Nowadays Mathematicians work in research departments, engineering laboratories, and observatories, software companies, in education, actuarial sciences, finance and many other fields.

MINIMUM ADMISSION AND SUBJECT REQUIREMENTS

FPS of 550 (but admission only guaranteed at FPS above 660)

Mathematics 70% & Physical Science 60%
NBT in Mathematics, AL & QL to be written