

MATH B295: ACTUARIAL MATHEMATICS

Prerequisite: MATH B102 (Calculus II)

What is an actuary?

“An actuary is a person who analyzes risks and plans for the financial security of people and businesses. Actuaries look at the past and the present to predict what will be needed in the future.”

– Society of Actuaries & Casualty Actuarial Society

This course will provide an introduction to some of the mathematical techniques used in actuarial work and will give an overview of some of the areas in which actuaries are currently involved. Some of the concepts that will be addressed include:

- valuation of financial transactions
- demography (study of populations)
- life insurance
- premium calculation.