# LSM - APPLIED MATHEMATICS (LSM)

**LSM 0103 Applied Mathematics Fundamentals (3-1-3)**
Focuses on developing proficiency in basic algebra and quantitative reasoning to equip students with the math skills to succeed in the BAS program of their choice.

**LSM 1003 Applied Mathematics (2-2-3)**
The course introduces the basic concepts of applied mathematics and statistical techniques. The course will cover application of percentages and linear models in business situations and decision making. An important component will be the computational skill development of simple and compound interests in real life situations. Statistical component will cover introductions to statistics terms, organization/display of data and analysis of univariate/bivariate data.
**Prerequisites:** LSM 0103

**LSM 1103 Technical Mathematics (3-1-3)**
The course is aimed at developing mathematical concepts and knowledge to solve a variety of scientific and technical problems. Statistical component will cover introductions to statistics terms, organization/display of data and analysis of univariate/bivariate data. Applications of Algebra, Geometry, Functions; and an introduction to derivatives/integration will be covered in this course.
**Prerequisites:** LSM 0103

**LSM 1113 Statistical Mathematics (2-2-3)**
This course introduces students to statistical analysis enabling students to use statistics terms effectively, organize and display data in multiple formats, and analyze univariate/bivariate data at a basic level. The course introduces students to the concepts of asymmetry, the relationship of probability to statistics, and statistical distributions. This course is a pre-requisite for the year 2 General Studies capstone course.
**Prerequisites:** LSM 0103

**LSM 1123 Quantitative Reasoning (2-2-3)**
This course provides students with a basic understanding of the processes that make up quantitative reasoning and enables students to apply their skills in using basic mathematics, sequences, counting, measurement, geometry, probability, and statistics in authentic consumer-based scenarios.
**Prerequisites:** LSM 0103