Foundational Mathematics

Basic Algebra

* Addition, subtraction, multiplication and division of algebraic fractions
* Equations with algebraic fractions,
* Simultaneous equations,
* Quadratic equations

Matrices

* Matrix operations
* The inverse of a matrix
* Introduction to determinants

Functions

* Classifications of functions
* Composition of functions
* Domain, codomain and range
* ­ Inverse of a function

Differentiation

* Basic Rules of Differentiation
* The Product and Quotient Rules
* The Chain Rule

Integration

* Introduction to indefinite Integration
* Rules of Integration
* Definite Integration

Probability and Statistics

* Introduction to Statistics
* Probability
* Conditional probability