**CYRIL JACKSON**
SENIOR CAMPUS

## Course Information
# Mathematics
## Mathematics Methods | MAM

**ATAR**

**List B**

## About the course

This course focuses on the use of calculus and statistical analysis. The study of calculus provides a basis for understanding rates of change in the physical world, and includes the use of functions, their derivatives and integrals, in modelling physical processes. The study of statistics develops students' ability to describe and analyse phenomena that involve uncertainty and variation.

Mathematics Methods provides a foundation for further studies in disciplines in which mathematics and statistics have important roles. IT is also advantageous for further studies in the health and social sciences. In summary, this course is designed for students whose future pathways may involve mathematics and statistics and their applications in a range of disciplines at the tertiary level.

## A1MAM
### Unit 1 Calculus; basic algebraic concepts and techniques

The basic trigonometric functions are then introduced. Simple relationships between variable quantities are reviewed, and these are used to introduce the key concepts of a function and its graph. The study of inferential statistics begins in this unit with a review of the fundamentals of probability and the introduction of the concepts of conditional probability and independence.

### Prerequisites
Must have at least a **C grade in Year 10 number and algebra.**
Must be in **OLNA category 3**

### Type of Assessment
40% Response
20% Investigation
40% Examination

### Year of Study
Year 11

### Costs
Unit Cost $30