

## Course Information

# Mathematics

## Mathematics Applications | MAA



ILearn

### About the course

This course focuses on the use of mathematics to solve problems in contexts that involve financial modelling, geometric and trigonometric analysis, graphical and network analysis, and growth and decay in sequences. It also provides opportunities for students to develop systematic strategies based on the statistical investigation process for answering statistical questions that involve analysing univariate and bivariate data, including time series data. The Mathematics Applications ATAR course is designed for students who want to extend their mathematical skills beyond Year 10 level, but whose future studies or employment pathways do not require knowledge of calculus. The course is designed for students who have a wide range of educational and employment aspirations, including continuing their studies at university or TAFE.



### A1MAA

#### Unit 1 Consumer arithmetic, algebra and matrices, shape and measurement

Consumer arithmetic reviews the concepts of rate and percentage change in the context of earning and managing money and includes the use of spread sheets.

Algebra and matrices continues the study of algebra and introduces the topic of matrices. The emphasis of this topic is the symbolic representation and manipulation of information from real-life contexts using algebra and matrices. Shape and measurement builds the knowledge and skills of students with the concept of similarity and associated calculations involving simple geometric shapes. The emphasis in this topic is on applying these skills in a range of practical contexts, including those involving three-dimensional shapes.



#### Prerequisites

Must be in **OLNA category 3** to enrol in. Based on achieving a **C Grade in Year 10 Mathematics** or equivalent standard



#### Type of Assessment

40% Response  
20% Investigation  
40% Examination



#### Year of Study

Year 11



#### Costs

Unit Cost \$30  
iLearn \$60