

AP4102

## Mathematics 2 (Technical)



**Course Aim** This course aims to further develop mathematical and critical thinking skills. Students learn how to use technology and develop their mathematical problem solving skills in order to undertake technical degree level study.

**Short Title**

**Faculty** Humanities

**Credits** 15

**Pre-requisites** MAC2101 or MAC2003 or AP3101 or equivalent

**Co-requisites** Nil

**Anti-requisites** MAC3001 or MAC3002 or MAC3003 or MAC3102

**Version 2**

**Effective From** September 1, 2017

**Indicative NQF Level** 4

**Student Contact hrs** 75

**Self-directed hrs** 45

**Other directed hrs** 30

**Total learning hrs** 150

**Learning**

**Outcomes**

- On successful completion of this course, students will be able to:
- 1 Use applied problem solving techniques involving probability, trigonometry, numbering systems and calculus to deal with familiar and unfamiliar situations.
  - 2 Select and use statistical techniques to interpret and communicate numerical and graphical data that has a little complexity.

**NQF Sub-strand**

Practical  
Application of  
knowledge  
Generic, Problem  
Solving and  
Analytical Skills