

MATHEMATICAL **METHODS**

Focuses on the development of an increasingly complex and sophisticated understanding of calculus and statistics. Calculus: essential for developing understanding of the physical world through rates of change. Statistics: used to describe and analyse phenomena involving uncertainty and variation.

PREREQUISITES: FOR STAGE 2, SUCCESSFUL COMPLETION OF STAGE 1 MATHEMATICAL METHODS

WHAT WILL YOU LEARN?

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d explain aspects of the world atically.

Gain a conceptual grasp of calculus and use its techniques in applications.

03.

Develop a basic understanding of how and why statistical decisions are made.

Transferable Skills

- Using a range of communication formats to express ideas logically and fluently
- Using mathematical skills
- Managing own learning
- Being prepared to invest time and effort in learning new skills

Assessment			
Stage I	N/A		
Stage II	50% Skills and Applications Tasks; 20% Mathematical Investigation; 30% Examination		



VOCATIONAL PATHWAYS

- Certificate III in Engineering Technical
- Certificate IV in Building Design Drafting
- Diploma of Electronics and Communications Engineering



TERTIARY PATHWAYS

- Bachelor of Engineering (Civil) (Honours)
- Bachelor of Teaching (Secondary) with Bachelor of Mathematical and Computer Sciences
- Bachelor of Medical Studies



- Engineer
- Astronomer
- Mathematician
- Medical Scientist
- Industrial Designer





SACE STAGE 2 | 20 CREDITS FULL YEAR

