MATHEMATICS

Stage 1 Mathematics provides the foundation for further study in mathematics in Stage 2 Mathematical Methods. By using functions, their derivatives, and integrals, and by mathematically modelling physical processes, students develop a deep understanding of the physical world through a sound knowledge of relationships involving rates of change.
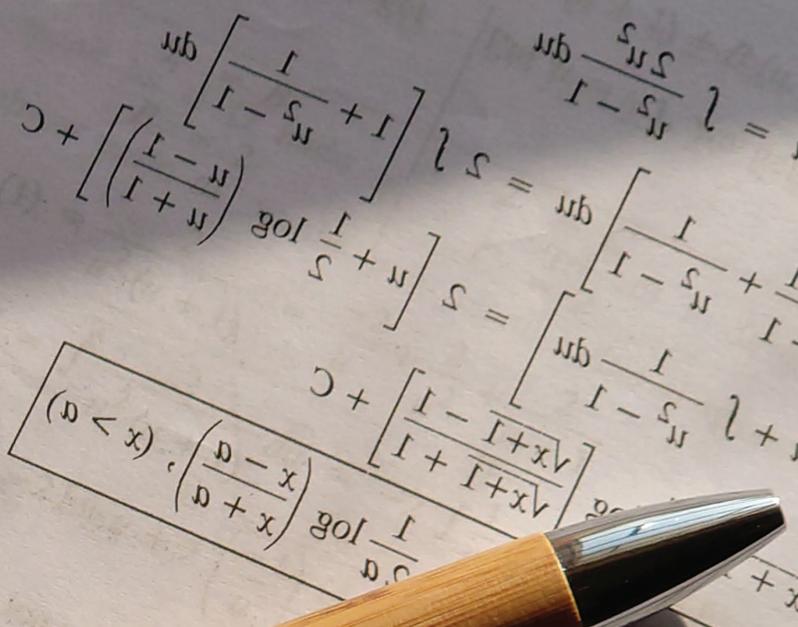
PREREQUISITES: FOR SEMESTER 2, SUCCESSFUL COMPLETION OF SEMESTER 1 GENERAL MATHEMATICS AT A-B GRADE

WHAT WILL YOU LEARN?

01. Explore, describe and explain aspects of the world around you mathematically

02. Gain an introductory grasp of calculus and use its techniques in applications.

03. Provide a good foundation for Stage 2 Mathematical Methods.

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	50% Skills Assessment Tasks; 50% Mathematical Investigation
Stage II	N/A

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

CAREERS

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

① **SACE STAGE 1 | 10 CREDITS SEMESTER 2 ONLY**

② **SACE STAGE 2 NOT AVAILABLE**

🎓 **ATAR SUBJECT**