Mathematical Studies

**Level:** Stage 2

**Course length:** Full year

**Credit value:** 20 Credit points

**Advice to students**

Students who undertake this subject should have studied two semesters of SACE Stage 1 Mathematical Studies or equivalent. Students intending to study Specialist Maths at SACE Stage 2 must also be studying, or have completed, Mathematical Studies.

**Course overview**

There are three topics:

- Working with Functions and Graphs using Calculus
- Working with Statistics
- Working with Linear Equations and Matrices.

**Assessment**

Students should provide evidence of their learning through nine to twelve assessments, including the external assessment component.

*School-based assessment*

- Skills and Applications 45%
- Folio 25%

*External assessment*

- Examination 30%

**Pathways**

Students who want to enter fields such as architecture, biological, environmental, geological and agricultural science should study Mathematical Studies.

Students envisaging careers in other related fields including economics and commerce might also benefit from studying this subject. If studied in conjunction with Specialist Mathematics, it will provide pathways into courses such as mathematical sciences, engineering, computer science, physical sciences, and surveying.

**Further information**

Marden Senior College uses Texas Instruments graphics calculators.