

Enrolment Program Structure

Program Code – SY5

Program Name – Bachelor of Mathematical Science

| Course Code | Course Name | Course Rules |
|-------------------------------|--|--|
| First Year Semester 1 | | |
| ITECH1001 | Communications & Technology | PR: Basic Computing Skills EX: ITECH5001 |
| MATHS1000 | Upon the Shoulders of Giants | PR: VCE Mathematics or equivalent EX: MATHS2000 |
| MATHS1001 | Modelling & Change (Intro Level) | PR: Nil |
| | Elective | |
| First Year Semester 2 | | |
| STATS1000 | Statistical Methods | EX: SCIGC1020 |
| MATHS1005 | Secrets of the Matrix | PR: Nil |
| ITECH1400 | Foundations of Programming | PR: Nil |
| | Elective | |
| Second Year Semester 1 | | |
| MATHS2016 | Modelling Continuous Change | PR: MATHS1001 |
| MATHS2003 | Profit Loss and Gambling | PR: At least one introductory maths course |
| STATS2101 | Statistics for Predication | PR: STATS1000 |
| ITECH2306 | Agile Coding | PR:ITECH2000 and ITECH2001 or ITECH1000 |
| Second Year Semester 2 | | |
| STATS2100 | Experimental Design and Analysis | PR: STATS1000 |
| MATHS2009 or MATHS2012 | Space, Shape and Design Graphs, Digraphs and Networks | PR Two maths courses or equivalent PR: One undergraduate maths course |
| | Elective | |
| | Elective | |

| Course Code | Course Name | Course Rules |
|---|---|--|
| Third Year Semester 1 | | |
| MATHS3007 | Puzzles, Patterns and Proofs | PR: At least one intermediate level maths course |
| MATHS3004 or MATHS3008 or MATHS3002 | Modelling the Environment Topics in Mathematics Analytics Project 1 | PR: MATHS2001 PR: Nil PR: MATHS2001 or STATS2101 |
| Advanced Elective | | |
| Elective | | |
| Third Year Semester 2 | | |
| MATHS3001 | Modelling and Change (Advanced level) | PR: MATHS2001 |
| MATHS3004 or MATHS3008 or MATHS3002 | Modelling the Environment Topics in Mathematics Analytics Project 1 | PR: MATHS2001 PR: Nil PR: MATHS2001 or STATS2101 |
| Advanced Elective | | |
| Elective | | |

Additional Information

This structure applies to all students.

Glossary

Semester: designated teaching period.

PR: Pre-requisite, a course/s that must be completed prior to undertaking another course.

CO: Co-requisite, a course/s that must be completed simultaneously, or prior to, undertaking another course.

EX: Exclusion, a course/s that may not be taken.