Federation University

Enrolment Program Structure

Program Code – SY5

Program Name – Bachelor of Mathematical Science

First Year	Course Code	Course Name	Course Rules
Semester 1			
	ITECH1001	Communications & Technology	**PR:** Basic Computing Skills **EX**: ITECH5001
	MATHS1000	Upon the Shoulders of Giants	**PR**: VCE Mathematics or equivalent **EX:** ENCOR1015 and MATHS2000 and SCCOR1300
	MATHS1001	Modelling & Change (Intro Level)	
		Elective	
Semester 2			
	STATS1000	Statistical Methods	
	MATHS1005	Secrets of the Matrix	
	ITECH1400	Foundations of Programming	**EX:** ITECH1000 and ITECH5000
		Elective	
Second Year	**Course Code**	**Course Name**	**Course Rules**
Semester 1			
	MATHS2016	Modelling Continuous Change	**PR**: MATHS1001
	MATHS2003	Profit Loss and Gambling	**PR**: At least one introductory maths course **EX:** MATHS1003
	STATS2101	Statistics for Predication	**PR:** STATS1000
	ITECH2306	Agile Coding	**PR:** ITECH2000 & ITECH2001 OR ITECH1400
Semester 2			
	STATS2100	Experimental Design and Analysis	**PR:** STATS1000
	MATHS2009	Space, Shape and Design	**PR** One maths course or equivalent **EX**: MATHS1009
	or MATHS2012	Graphs, Digraphs and Networks	**PR:** One undergraduate maths course

| | | Elective | |
| | | Elective | |

Third Year	Course Code	Course Name	Course Rules
Semester 1			
	MATHS3007	Puzzles, Patterns and Proofs	**PR**: At least one intermediate level maths course **EX**: MATHS2005
	MATHS3002 or MATHS3004	Analytics Project 1 Modelling the Environment	**PR**: MATHS2016 or STATS2101 **PR**: MATHS2016
		Elective	
		Elective Advanced Level (Mathematics, Statistics, Computing or Science)	
Semester 2			
	MATHS3001	Modelling and Change (Advanced level)	**PR**: MATHS1001; At least 15 credit points from MATHS subject-area at any level **EX**: MATHS2006
	MATHS3002 or MATHS3008	Analytics Project 1 Topics in Mathematics	**PR**: MATHS2016 or STATS2101 **PR**: At least one intermediate level mathematics course or equivalent.
		Elective Advanced Level (Mathematics, Statistics, Computing or Science)	
		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.