

Recommended Courses for different Major Tracks

		UNDERGRADUATE TRACKS				RESEARCH TRACK
		Pure Math	Computational Math & OR	Econ/ Finance	Computational Finance	
MATH3301	Algebra I	✓	✓			✓
MATH3304	Introduction to Number Theory	✓				✓
MATH3401	Analysis I	✓	✓	✓	✓	✓
MATH3403	Functions of a Complex Variable	✓	✓			✓
MATH3405	Differential Equations	✓	✓	✓		✓
MATH3408	Computational Methods and Differential Equations with Applications		✓		✓	
MATH3600	Discrete Mathematics		✓			✓
MATH3601	Numerical Analysis		✓		✓	✓
MATH3603	Probability Theory		✓		✓	✓
MATH3901	Operations Research I		✓	✓		
MATH3904	Introduction to Optimization		✓	✓		
MATH3905	Queueing Theory and Simulation		✓			
MATH3906	Financial Calculus			✓	✓	
MATH3911	Game Theory and Strategy			✓	✓	
MATH3999	Directed Studies in Mathematics	✓				✓
MATH4302	Algebra II	✓				✓
MATH4402	Analysis II	✓				✓
MATH4404	Functional Analysis	✓				✓
MATH4406	Introduction to Partial Differential Equations	✓	✓	✓	✓	✓
MATH4501	Geometry	✓				✓
MATH4602	Scientific Computing		✓		✓	✓
MATH4907	Numerical Methods for Financial Calculus			✓	✓	
MATH4910	Senior Mathematics Seminar	✓				✓
MATH4911	Mathematics Capstone Project	✓				✓
MATH4966	Mathematics Internship	✓				✓
MATH4999	Mathematics Project	✓				✓
MATH7101	Intermediate Complex Analysis	✓				✓
MATH7224	Topics in Advanced Probability Theory					✓
MATH7505	Real Analysis	✓				✓

Note: Selected track under Undergraduate tracks + Research track is recommended for students pursuing Postgraduate studies