



Career	Code	Course Name	Prerequisites	2019 Offerings		
				T1	T2	T3
Undergraduate	DATA1001	Intro Data Science		No	Yes	No
Undergraduate	DATA3001	Data Science and Decisions		No	Yes	No
Undergraduate	MATH1011	Fundamentals of Mathematics B	Exclusion: Not enrolled in 3991 or any UNSW Business Program	Yes	No	Yes
Undergraduate	MATH1031	Mathematics for Life Sciences		Yes	No	Yes
Undergraduate	MATH1041	Stats for Life & Soc Sciences	Excluded: MATH2841	Yes	Yes	Yes
Undergraduate	MATH1081	Discrete Mathematics	Corequisite: MATH1131 or MATH1141 or MATH1151.	Yes	Yes	Yes
Undergraduate	MATH1099	IP1(Co-Op)	Co-Op Scholar enrolled in 3956 or 3959	Yes	Yes	Yes
Undergraduate	MATH1131	Mathematics 1A		Yes	Yes	Yes
Undergraduate	MATH1141	Higher Mathematics 1A		Yes	No	Yes
Undergraduate	MATH1151	Maths - Actuarial & Finance 1A		Yes	No	No
Undergraduate	MATH1231	Mathematics 1B	Prerequisite: MATH1131 or MATH1141.	Yes	Yes	Yes
Undergraduate	MATH1241	Higher Mathematics 1B	Prerequisite: MATH1131 CR or MATH1141 CR.	Yes	Yes	No
Undergraduate	MATH1251	Maths - Actuarial & Finance 1B	Prerequisite: MATH1151.	No	Yes	No
Undergraduate	MATH2011	Several Variable Calculus	Prerequisite: MATH1231 or MATH1241 or MATH1251; Exclusion: MATH2019, MATH2049, MATH2069, MATH2100, MATH2110.	Yes	No	No

Undergraduate	MATH2018	Engineering Mathematics 2D	Prerequisite: MATH1231 or MATH1241 or MATH1251.	Yes	Yes	Yes
Undergraduate	MATH2019	Engineering Mathematics 2E	Prerequisite: MATH1231 or MATH1241 or MATH1251.	Yes	No	Yes
Undergraduate	MATH2069	Mathematics 2A	Prerequisite: MATH1231 or MATH1241 or MATH1251; Exclusions: MATH2011, MATH2111, MATH2510, MATH2610, MATH2520 & MATH2620	No	No	Yes
Undergraduate	MATH2099	Mathematics 2B	Prerequisite: MATH1231 or MATH1241 or MATH1251. Exclusions: MATH2501 and MATH2601.	No	Yes	No
Undergraduate	MATH2111	Higher Several Variable Calc	Prerequisite: MATH1231 or MATH1241 or MATH1251 each with a mark of at least 70; Excluded: MATH2019, MATH2049, MATH2069, MATH2100, MATH2110.	Yes	No	No
Undergraduate	MATH2121	Differential Equations	Prerequisite: MATH1231 or MATH1241 or MATH1251	No	Yes	No
Undergraduate	MATH2221	Higher Differential Equations	Prerequisite: MATH1231 or MATH1241 or MATH1251 each with a mark of 70.	No	Yes	No
Undergraduate	MATH2241	Intro to Atmos & Oceans	Prerequisite: MATH1231 or MATH1241 or MATH1251	Yes	No	No

Undergraduate	MATH2301	Mathematical Computing	Prerequisite: MATH1031 (CR) or MATH1231 or MATH1241 or MATH1251. Exclusions: MATH2089, CVEN2002, and CVEN2702	Yes	No	No
Undergraduate	MATH2400	Finite Mathematics	Prerequisite: MATH1081 or MATH1231 or MATH1241 or MATH1251	No	Yes	No
Undergraduate	MATH2501	Linear Algebra	Prerequisite: MATH1231 or MATH1241 or MATH1251; Exclusion: MATH2099	No	Yes	No
Undergraduate	MATH2521	Complex Analysis	Prerequisite: MATH1231 or MATH1241 or MATH1251; Exclusion: MATH2069.	No	No	Yes
Undergraduate	MATH2601	Higher Linear Algebra	Prerequisite: MATH1231 or MATH1241 or MATH1251 each with a mark of 70 or greater; Exclusion: MATH2099	No	Yes	No
Undergraduate	MATH2621	Higher Complex Analysis	Prerequisite: MATH1231 or MATH1241 or MATH1251 each with a mark of at least 70; Exclusion: MATH2069	No	No	Yes
Undergraduate	MATH2701	Algebra and Analysis	Prerequisite: MATH1231 or MATH1241 or MATH1251 with at least a CR, enrolment in an advanced maths or advanced science program	No	No	Yes

Undergraduate	MATH2801	Theory of Statistics	Prerequisite: MATH1231 or MATH1241 or MATH1251 (or enrolment in program 3653 Software Engineering / Commerce and completion of either MATH1131 or MATH1141). Exclusion: CVEN2002, CVEN2025, CVEN2702, ECON2215, ECON1203	No	Yes	No
Undergraduate	MATH2831	Linear Models	Prerequisite: MATH2801 or MATH2901.	No	No	Yes
Undergraduate	MATH2859	Prob, Stats and Information	Prerequisite: MATH1231 or MATH1241 (or, in program 3648 or 3651 or 3652 or 3653 or 3749 or 3982, MATH1131 or MATH1141); Exclusion: MATH2099.	No	Yes	No
Undergraduate	MATH2871	Data Manag't for Stat Analysis	Prerequisite: MATH1041 or ECON1203 or ECON2292 or PSYC2001 or MATH1231 or MATH1241 or MATH1251 or equivalent.	Yes	No	No
Undergraduate	MATH2901	Higher Theory of Statistics	Prerequisite: MATH1231 or MATH1241 or MATH1251 (or enrolment in program 3653 Software Engineering / Commerce and completion of either MATH1131 or MATH1141). Exclusion: CVEN2002, CVEN2025, CVEN2702, ECON2215, ECON1203	No	Yes	No
Undergraduate	MATH2931	Higher Linear Models	Prerequisite: MATH2901 or MATH2801(DN)	No	No	Yes

Undergraduate	MATH3000	Mathematics/Statistics Project	Prerequisite: 12 units of credit in Level 2 Maths courses.	Yes	Yes	Yes
Undergraduate	MATH3001	Mathematics/Statistics Project	Prerequisite: 12 units of credit in Level 2 Maths courses.	Yes	Yes	Yes
Undergraduate	MATH3002	Mathematics/Statistics Project	Prerequisite: 12 units of credit in Level 2 Maths courses.	Yes	Yes	Yes
Undergraduate	MATH3041	Mathematical Modelling	Prerequisite: 12 units of credit in Level 2 Maths courses.	No	Yes	No
Undergraduate	MATH3101	Computational Mathematics	Prerequisite: 12 units of credit in Level 2 Math courses including (MATH2011 or MATH2111 and MATH2120 or MATH2130 or MATH2121 or MATH2221), or (both MATH2019 (DN) and MATH2089), or (both MATH2069 (CR) and MATH2099)	No	No	Yes
Undergraduate	MATH3121	Mathematical Methods	Prerequisite: 12 units of credit in Level 2 Math courses including (MATH2011 or MATH2111) and (MATH2120 or MATH2130 or MATH2121 or MATH2221), or (both MATH2019 (DN) and MATH2089), or (both MATH2069 (DN) and MATH2099)	Yes	No	No
Undergraduate	MATH3161	Optimization	Prerequisite: 12 units of credit in Level 2 Mathematics courses including MATH2011 or MATH2111 or MATH2510, and MATH2501 or MATH2601, or both MATH2019(DN) and MATH2089, or both MATH2069(CR) and MATH2099.	Yes	No	No

Undergraduate	MATH3201	Dynamical Systems and Chaos	Prerequisite: 12 units of credit in Level 2 Mathematics courses including (MATH2120 or MATH2130 or MATH2121 or MATH2221) and (MATH2501 or MATH2601), or (both MATH2019 (DN) and MATH2089), or (both MATH2069 (CR) and MATH2099)	No	Yes	No
Undergraduate	MATH3261	Fluids, Oceans & Climate	Prerequisite: 12 units of credit in Level 2 Math courses including (MATH2011 or MATH2111) and (MATH2120 or MATH2130 or MATH2121 or MATH2221), or (both MATH2019 (DN) and MATH2089), or (both MATH2069 (DN) and MATH2099)	Yes	No	No
Undergraduate	MATH3311	Math Computing for Finance	Prerequisite: (MATH2120 or MATH2130 or MATH2121 or MATH2221 or MATH2111) and (MATH2501 or MATH2601) and (MATH2801 or MATH2901 or MATH2871)	No	Yes	No
Undergraduate	MATH3411	Information, Codes and Ciphers	Prerequisites: MATH1081 or MATH1231(CR) or MATH1241(CR) or MATH1251(CR) or MATH2099 .	No	No	Yes
Undergraduate	MATH3511	Transformations, Groups & Geom	Prerequisite: 12 units of credit in Level 2 Math courses	No	No	Yes
Undergraduate	MATH3521	Alg Tech in Number Theory	Prerequisite: 12 units of credit in Level 2 Math courses.	Yes	No	No
Undergraduate	MATH3531	Topology and Diff Geometry	Prerequisite: 12 units of credit in Level 2 Math courses including MATH2011 or MATH2111 or MATH2069.	No	No	Yes

Undergraduate	MATH3560	History of Mathematics	Prerequisite: 6 units of credit in Level 2 Math courses.	Yes	No	No
Undergraduate	MATH3570	Foundations of Calculus	Prerequisite: 12 units of credit in Level 2 Math courses.	Yes	No	No
Undergraduate	MATH3611	Higher Analysis	Prerequisite: 12 UOC of Level 2 Mathematics with an average mark of at least 70, including MATH2111 or MATH2011 (CR) or MATH2510 (CR), or permission from the Head of Department.	No	Yes	No
Undergraduate	MATH3701	Higher Topology and Diff Geom	Prerequisite: 12 UOC of Level 2 Mathematics with an average mark of at least 70, including MATH2111 or MATH2011 (CR) or MATH2510 (CR) and MATH2601 or MATH2501 (CR), or permission from Head of Department.	No	No	Yes
Undergraduate	MATH3711	Higher Algebra	Prerequisite: 12 UOC of Level 2 Mathematics with an average mark of at least 70, including MATH2601 or MATH2501 (CR), or permission from the Head of Department.	Yes	No	No
Undergraduate	MATH3801	Probability & Stochastic Proc	Prerequisite: MATH2501 or MATH2601 and MATH2011 or MATH2111 or MATH2510 or MATH2610 and MATH2801 or MATH2901.	Yes	No	No
Undergraduate	MATH3811	Statistical Inference	Prerequisite: MATH2831 or MATH2931.	Yes	No	No
Undergraduate	MATH3821	Stat Modelling & Computing	Prerequisite: MATH2831 or MATH2931	No	Yes	No

Undergraduate	MATH3831	Stats in Social & Market Resch	Prerequisite: MATH2801 or MATH2901.	No	No	Yes
Undergraduate	MATH3841	Stats of Dependent Data	Prerequisite: MATH3811 or MATH3911.	No	Yes	No
Undergraduate	MATH3851	Exp Design & Categorical Data	Prerequisite: MATH2801 OR MATH2901 AND MATH2831 OR MATH2931.	No	Yes	No
Undergraduate	MATH3871	Bayesian Inference and Comp	Prerequisite: MATH2801 or MATH2901	No	No	Yes
Undergraduate	MATH3901	Higher Prob & Stochastic Proc	Prerequisite: MATH2901 or MATH2801(DN) and MATH2501 or MATH2601 and MATH2011 or MATH2111 or MATH2510 or MATH2610.	Yes	No	No
Undergraduate	MATH3911	Higher Statistical Inference	Prerequisite: MATH2931 or MATH2831(DN).	Yes	No	No
Undergraduate	MATH4001	MathsStats Hons Thesis A		Yes	Yes	Yes
Undergraduate	MATH4002	MathsStats Hons Thesis B		Yes	Yes	No
Undergraduate	MATH6781	Biomathematics	12 units of credit in Level 2 Mathematics courses including (MATH2120 or MATH2130 or MATH2121 or MATH2221), or both MATH2019 and MATH2089, or both MATH2069 and MATH2099	No	Yes	No