Levels	Second Major Requirements	Cum Units

Level 1000 (16 Units)	Pass
	− ST1131 Introduction to Statistics
	   or ST1232 Statistics for Life Sciences
	− MA1101R Linear Algebra I
	   or MA1508E Linear Algebra for Engineering
	   or MA1513 Linear Algebra with Differential Equations (2 Units) ^
	− MA1102R Calculus
	   or MA1505 Mathematics I
	   or MA1507 Advanced Calculus
	   or MA1511 Engineering Calculus (2 Units) <u>and</u> MA1512 Differential Equations for Engineering (2 Units) ^
	   or MA1521 Calculus for Computing
	− CS1010/—E/—J/—S/—X Programming Methodology
	   or IT1007 Introduction to Programming with Python and C
		14–16

Level 2000 (16–17 Units)	Pass
	− ST2131/MA2216 Probability
	− ST2132 Mathematical Statistics
	− ST2137 Computer Aided Data Analysis
	− MA2311 Techniques in Advanced Calculus
	   or MA2104 Multivariate Calculus
	   or MA2108 Mathematical Analysis I
	   or MA2108S Mathematical Analysis I (S)
		30–33

Levels 3000 and 4000 (16–20 Units)	Pass − ST3131 Regression Analysis − Three other courses from ST32xx (except ST328x) or ST4xxx courses − One additional course from ST32xx (except ST328x) or ST4xxx courses^	48–51

^ Applicable only to students who use MA1513 Linear Algebra with Differential Equations (2 Units) to fulfil the second major requirements

This second major is <u>not</u> offered with a primary major in Statistics or Data Science and Analytics, and a minor in Statistics.

Students reading any one of the following **primary majors** with a second major in Statistics should take note of additional requirements.

Applied Mathematics (**cohort AY2013–14**) — read <u>three</u> additional MA or ST courses at level 2000 or above.

Applied Mathematics (**cohorts AY2014–15 and after**) — read <u>one</u> additional MA or ST course at level 2000 or above.

Mathematics (**cohort AY2013–14**) — read <u>two</u> additional MA or ST course at level 2000 or above.

Mathematics (**cohort AY2016–17**) — read <u>one</u> additional MA or ST course at level 2000 or above.

Quantitative Finance (**cohort AY2013–14**) — read <u>three</u> additional MA or ST courses at level 2000 or above and <u>one</u> additional ST course at level 3000 or above.

Quantitative Finance (**cohorts AY2014–15 and after**) — read <u>two</u> additional MA or ST courses at level 2000 or above.

The additional courses must belong to the elective lists of the primary major or second major and must not overlap with any other courses used to satisfy the respective primary major or second major requirements.