Second Major in Statistics

Requirements for Cohorts AY2021/2022 and after

Levels	Second Major Requirements	Cumulative Major Units
Level 1000 (4 Units)	Pass: • ST1131 Introduction to Statistics and Statistical Computing	4

Level 2000 (22-24 Units)	Pass:
	 • **One** of the following courses:
	   o MA1508E Linear Algebra for Engineering [1]
	   o MA1513 Linear Algebra with Differential Equations (2 Units) [1]
	   o MA1522 Linear Algebra for Computing
	   o MA2001 Linear Algebra I
	
	 • **One** of the following courses:
	   o MA1312 Calculus with Applications
	   o MA1505 Mathematics I [1]
	   o MA1511 Engineering Calculus (2 Units) [1]
	      and MA1512 Differential Equations for Engineering (2 Units) [1]
	   o MA1521 Calculus for Computing
	   o MA2002 Calculus
	
	 • **One** of the following courses:
	   o MA2104 Multivariable Calculus
	   o MA2311 Techniques in Advanced Calculus
	
	 • **One** of the following courses:
	   o ST2131/MA2116 Probability
	   o ST2334 Probability and Statistics
	
	 • ST2132 Mathematical Statistics
	
	 • **One** of the following courses:
	   o ST2137 Statistical Computing and Programming
	   o One course from ST32xx/ST42xx (<u>except</u> ST328x [2] and ST4288)
		26-28

Level 3000 and 4000 (12-16 Units)	Pass:
	 • Any **three** courses from the following:
	   o ST3131 Regression Analysis
	   o ST32xx (<u>except</u> ST328x [2])
	   o ST42xx (<u>except</u> ST4288)
	
	 • **One** additional course from the following [3]:
	   o ST32xx (<u>except</u> ST328x [2])
	   o ST42xx (<u>except</u> ST4288)
		40-42

Notes:

The Second Major in Statistics is **<u>not</u>** offered to students with a Primary Major in Statistics, Data Science and Analytics, or a Minor in Statistics.

1. MA1505, MA1508E, MA1511, MA1512 and MA1513 are only offered to Engineering students.

2. UROPs courses (ST328x) cannot be used to fulfil the second major requirements.

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