

Sample Study Plan — Data Science and Economics

Year 1		Year 2		Year 3		Year 4	
Sem 1	Sem 2	Sem 1	Sem 2	Sem 1	Sem 2	Sem 1	Sem 2
Pair 1: Humanities Pair 2: Social Sciences	Pair 1: Social Sciences Pair 2: Humanities	Writing	Communities and Engagement	EC3101 Microeconomic Analysis II or EC3102	EC3102 Macroeconomic Analysis II or EC3101	EC4305 Applied Econometrics	DSE4101 Capstone Project in Data Science and Economics I
Pair 1: Asian Studies Pair 2: Scientific Inquiry I	Pair 1: Scientific Inquiry I Pair 2: Asian Studies	Scientific Inquiry II	Artificial Intelligence	MA2311 Techniques in Advanced Calculus/ MA2104 or CS2040	EC3304 Econometrics II	Major 21	Major 23
Digital Literacy (CS1010S)	Design Thinking	MA2001 Linear Algebra I	CS2040 Data Structures and Algorithms or MA2104 Multivariable Calculus	DSA2102 Essential Data Analytics Tools: Numerical Computation or DSA2101	DSE3101 Practical Data Science for Economics	Major 22	Major 24
DSE1101* Introductory Data Science for Economics	MA2002 Calculus	ST2131 Probability	DSA2101 Essential Data Analytics Tools: Data Visualisation or DSA2102	ST3131 Regression Analysis or ST2132	DSA3102 Essential Data Analytics Tools: Convex Optimisation	UE 3	UE 5
EC1101E Introduction to Economic Analysis	EC2101 Microeconomic Analysis I or EC2102	EC2102 Macroeconomic Analysis I or EC2101	ST2132 Mathematical Statistics or ST3131	UE 1	UE 2	UE 4	UE 6

* DSE1101 fulfils the Data Literacy requirement.