

Bachelor of Data Science and Decisions 3959 – MATHE1 Quantitative Data Science – T2 2026 START

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Program: Data Science and Decisions [3959]

Year 1 Term 2

Course or Activity	Prerequisites	Credits
DATA1001 Introduction to Data Science and Decisions		6
<i>MATH1131 or MATH1141</i>		6
<i>Free Electives</i>		6

Year 1 Term 3

Course or Activity	Prerequisites	Credits
ECON1101 Microeconomics 1		6
<i>MATH1231 or MATH1241</i>		6
<i>General Education</i>		6

Year 2 Term 1

Course or Activity	Prerequisites	Credits
COMP1511 Programming Fundamentals		6
ECON2112 Game Theory and Business Strategy	ECON1101	6

Year 2 Term 2

Course or Activity	Prerequisites	Credits
<i>MATH2801 or MATH2901</i>		6
<i>MATH2501 or MATH2601</i>		6

Year 2 Term 3

Course or Activity	Prerequisites	Credits
COMP2521 Data Structures and Algorithms	COMP1511	6
MATH2831 Linear Models		6

Year 3 Term 1

Course or Activity	Prerequisites	Credits
MATH2871 Data Management for Statistical Analysis		6
<i>Prescribed Electives</i>		6

Year 3 Term 2

Course or Activity	Prerequisites	Credits
<i>Prescribed Electives</i>		6
<i>Free Electives</i>		6

Year 3 Term 3

Course or Activity	Prerequisites	Credits
DATA3001 Data Science and Decisions in Practice		6
ECON3203 Econometric Theory and Machine Learning		6
MATH3871 Bayesian Inference and Computation		6

Year 4 Term 1

Course or Activity	Prerequisites	Credits
COMP3311 Database Systems	COMP2521	6
<i>Prescribed Electives</i>		6
<i>General Education</i>		6

Year 4 Term 2

Course or Activity	Prerequisites	Credits
MATH3821 Statistical Modelling and Computing	MATH2831	6
<i>Prescribed Electives</i>		6

*Lock: Students are required to take these courses within the specified semester