



Program / Degree: [3959 Data Science & Decisions](#)(Business Data Science)

Year	Term 1	UOC	Term 2	UOC	Term 3	UOC		
1 st	MATH1131 Mathematics 1A ORMATH1141 Higher Mathematics 1A	6	MATH1231 Mathematics 1B ORMATH1241 Higher Mathematics 1B	6	Free Elective General Education Option	6 6		
	COMP1511 Programming Fundamentals	6	COMP2521 Data Structures and Algorithms	6				
	ECON1101 Microeconomics 1	6	DATA1001 Introduction to Data Science and Decisions	6				
	Total UOC	18	Total UOC	18	Total UOC	18		
2 nd	DATA1099 Co-op Industry Training 1	12	MATH2501 Linear Algebra OR	6	Prescribed Elective	6		
			MATH2601 Higher Linear Algebra				6	
			MATH2801 Theory of Statistics OR					6
			MATH2901 Higher Theory of Statistics					
General Education Option	6	General Education Option	6					

Notes:

- This is a SAMPLE study outline only and can be subject to change.
- You must always take your Industry Training schedule into consideration when planning your course enrolment or other commitments (see diagram below).
- Any course taught by the Business School, Faculty of Science or the Faculty of Engineering cannot be taken as General Education for this program. Additionally, GENS, GENC and GENE courses will not be counted.
- Students must complete 30 UoC of Electives to qualify for the Business Data Science major. For the full list of electives, please see the Handbook page for this major.
- Free Electives may be from any Faculty at UNSW.

Students cannot complete more than 72 UoC of Level 1 courses including any GEN courses and Level 1 courses taken for General Education.

Resources:

- [UNSW Handbook](#)
- [School](#)
- [Co-op program page](#)

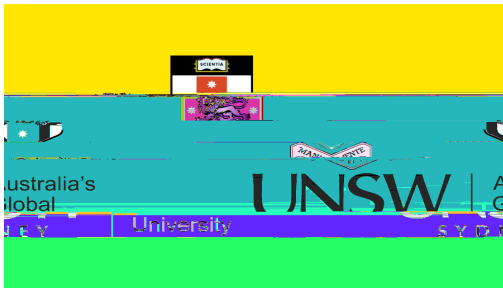
Co-op Academic Coordinator

For enrolment related questions please always contact your Co-op Academic Coordinator in the first instance:

Dr Sahani Pathiraja s.pathiraja@unsw.edu.au

When would I be on Industry Training (IT)?





Sample Study Outline

Data Science & Decisions

Program / Degree: [3959 Data Science & Decisions](#) (Computational Data Science)

Year	Term 1	UOC	Term 2	UOC	Term 3	UOC
1st	MA6nBT/m()TjETEM5eT5A22 Tm()TjETEMC.366 n 989eTmTtEmaTtE.58 70.56 436.an64mTc 0 6 99A.D.TtEJ.DmG.EE/W.226m/WC 0 0 10.56 576.6 435.2	6 6 6	MATH1231 Mathematics 1B OR MATH1241 Higher Mathematics 1B COMP2521 Data Structures and Algorithms DATA1001 Introduction to Data Science and Decisions	6 6 6	MATH101 Discrete Mathematics Free Elective General Education Option	6 6
	Total UOC	18	Total UOC	18	Total UOC	18
2nd	DATA1099 Co-op Industry Training 1	12	MATH2501 Linear Algebra OR MATH2601 Higher Linear Algebra COMP3121 Algorithms and Programming Techniques COMP2041 Software Construction	6 6 6	Free Elective Prescribed Elective General Education Option	6 6 6
	Total UOC (nominal)	12	Total UOC	18	Total UOC	18
3rd	DATA2099 Co-op Industry Training 2A	12	DATA2199 Co-op Industry Training 2B DATA3099 Co-op Industry Training 3A	6 6	DATA3199 Co-op Industry Training 3B	12
	Total UOC (nominal)	12	Total UOC (nominal)	12	Total UOC (nominal)	12
4th	COMP3311 Database Systems COMP9417 Machine Learning and Data Mining ECON2112 Game Theory and Business Strategy	6 6 6	MATH2801 Theory & Statistics OR MATH2901 Higher Theory of Statistics Prescribed Elective Prescribed Elective	6 6 6 6	COMP9313 Big Data Management DATA3001 Data Science & Decisions in Practice	6 6

Notes:

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- You must always take your Industry Training schedule into consideration when planning your course enrolment or other commitments (see diagram below). Any course taught by the Business School, Faculty of Science or the Faculty of Engineering cannot be taken as General Education for this program.
- Additionally, GENS, GENC and GENE courses will not be counted. Students must complete 18 UoC of Electives to qualify for the Computational Data Science major.
- For the full list of electives, please see the Handbook page for this major. If you are looking to do ECON courses for your electives, keep in mind that some may have prerequisites.
- Free Electives

Sample Study Outline

Data Science & Decisions

		6	6	Introduction and Decisions
	Total UOC	8	8	Total UOC
2 nd	DATA1099 Co-op Industry Training 1	12	12	MATH25 MATH26 Prescribed MATH28 MATH29
	Total UOC (nominal)	12	12	Total UOC
3 rd	DATA2099 Co-op Industry Training 2A	12	12	DATA21 DATA30

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- x This is a SAMPLE study outline only and can be subject to change.
- x You must always take your Industry Training schedule into consideration when planning your course enrolment or other commitments (see diagram below).
- x Any course taught by the Business School, Faculty of Science or the Faculty of Engineering cannot be taken as General Education for this program.
- x Additionally, GENS, GENC and GENE courses will not be counted.
- x Students must complete 24 UoC of Electives to qualify for the Quantitative Data Science major.
- x For the full list of electives, please see the Handbook page for this major.
- x If you are looking to do ECON courses for your electives, keep in mind that some may have prerequisites.
- x Free Electives may be from any Faculty at UNSW.

Students cannot complete more than 72 UoC of Level 1 courses including any GEN courses and Level 1 courses taken for General Education.

Resources:

- x [UNSW Handbook](#)
- x [School](#)
- x [Co-op program page](#)

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