

Bachelor of Information Technology

Major in Data Science

ENTRY REQUIREMENTS

Academic Requirements	Guaranteed entry - 75
Assumed Knowledge	None
Recommended Studies	HSC Mathematics Extension 1 or HSC Mathematics Extension 2 plus HSC Information Processes and Technology and/or HSC Software Design and Development, or equivalent.

COURSE STRUCTURE

Bachelor of Information Technology = 240 credit points	
Core Zone	160 credit points
Flexible Zone	80 credit points
Qualification = 240 credit points	

CORE ZONE

Core Zone = 160 credit points	
Essential units - 50 credit points	
COMP1000 Introduction to Computer Programming	10
COMP1300 Introduction to Cyber Security	10
COMP1350 Introduction to Database Design and Management	10
COMP2270 Networking and Cloud Computing	10
COMP2700 Project Management and Professional Practice	10
Capstone unit - 10 credit points	
Complete the capstone unit below.	
COMP3850 PACE: Computing Industry Project	10
Elective unit - 10 credit points	
Complete 10 credit points from the following options.	
COMP1010 Fundamentals of Computer Science	10
COMP1151 Introduction to Game Development	10
COMP1750 Introduction to Business Information Systems	10
STAT1170 Introductory Statistics	10
Elective unit - 10 credit points	
Complete 10 credit points from the following options.	
COMP3410 Knowledge, Planning and Decision Making under Uncertainty	10
COMP3250 Computer Networks	10
COMP3760 Enterprise Systems Integration	10
COMP3780 Technology Management	10

MAJOR

Major in Data Science = 80 credit points	
Complete the following units	
COMP1010 Fundamentals of Computer Science	10
COMP2200 Data Science	10
COMP2350 Database Systems	10
COMP3210 Big Data	10
Elective unit - 10 credit points	
Complete 10 credit points from the following options.	
STAT1170 Introductory Statistics	10
STAT1371 Statistical Data Analysis	10
Elective unit - 10 credit points	
Complete 10 credit points from the following options.	
STAT2170 Applied Statistics	10
STAT2371 Statistics	10
Elective unit - 10 credit points	
Complete 10 credit points from the following options.	
STAT3102 Graphics, Multivariate Methods and Data Mining	10
STAT3110 Statistical Inference	10
Elective unit - 10 credit points	
Complete 10 credit points from the following options.	
COMP3420 Artificial Intelligence for Text and Vision	10
STAT3175 Linear Models	10

FLEXIBLE ZONE

Flexible Zone = 80 credit points

This zone allows you to either gain more depth in your chosen area of study or learn about other areas that interest you. You can use your flexible zone to enrol in any Undergraduate unit for which you meet the requisites. You may also use your flexible zone to complete a minor.