Bachelor of Commerce with Big Data Major
Program Structure and Sequence Plan
Updated 26/06/2019

BOND UNIVERSITY
BOND BUSINESS SCHOOL

2019
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Program Structure		Bachelor of Commerce		BIGD	
Program Code	**Total Subjects**	**Intakes**	**Duration**		**Structure**
BN-10001	**24**	Commencing January 2019 (191 Semester)	6 semesters (2 years)		**12 Required Subjects**
Version	6	Commencing May 2019 (192 Semester)	full-time		**1 x 6 Subject Major**
Total Credit Points	240	Commencing September 2019 (193 Semester)			**6 General Electives**
CRICOS	063059D				

Assumed knowledge is the minimum level of knowledge of a subject area that students are assumed to have acquired through previous study. It is the responsibility of students to ensure they meet the assumed knowledge expectations of a specified subject. Students who do not possess this prior knowledge are strongly recommended against enrolling and do so at their own risk. No concessions will be made for students' lack of prior knowledge.

Available	Code	Title	Assumed Knowledge	Requisite
Students must complete the following twelve (120CP) subjects including 3 Core University Subjects (30CP) One core subject must be taken per semester for the first three semesters				
J/M/S	ACCT11-100	Accounting for Decision Making		
J/M/S	CORE11-001	Critical Thinking and Communication		
J/M/S	CORE11-002	Leadership and Team Dynamics	CORE11-001 or BCDP02-101	
J/M/S	CORE11-003	Ethical Thought and Action	CORE11-001 or BCDP02-101 & CORE11-002 or BCDP02-102	
J/M/S	ECON11-100	Principles of Economics		
J/M/S	ECON12-200	Econometrics	STAT11-100 or STAT11-111 or STAT11-112	
J/M/S	FINC12-200	Fundamentals of Finance	ACCT11-100 & ECON11-100 or HRTM12-206 & STAT11-111 or STAT11-112	
J/M/S	LAWS10-100	Business Law		
J/M/S	MKTG11-100	Marketing		
J/M/S	STAT11-112	Quantitative Methods		
J/M/S	Alternative BUS	Choose either ACCT12-111 OR INFT11-120		
J/M/S	ACCT12-111	Accounting Information Systems	ACCT11-100	
J/M/S	INFT11-120	Digital Transformation of Business		
J/M/S	Alternative COM	Choose either ACCT12-200 OR FINC12-201		
J/M/S	ACCT12-200	Cost Management Systems	ACCT11-100	
J/M/S	FINC12-201	Financial Applications and Quantitative Analysis	FINC12-200	

Notes

Alternative BUS ACCT Major students must select ACCT12-111

Alternative COM ACCT major students must select ACCT12-200, FINC major students must select FINC12-201

BIGD	60CP	BIG DATA MAJOR		

The Big Data major provides a strong survey into the concepts and applications of modern machine learning and data analytics. It contains units in analysis coding as well as advanced non-parametric statistical modelling and pattern recognition algorithms. In addition, focus is placed on ensuring students see the relevant application of these techniques to real industry data.

You must complete the following five subjects:

J/M/S	ECON12-200	Econometrics	STAT11-100 or STAT11-111 or STAT11-112	
J/S	INFT12-216	Data Science		
M	INFT12-223	Machine Learning in Business	INFT12-216	Read Requirements on-line
M/S	INFT13-326	Statistical Learning and Regression Models	ECON12-200 & INFT12-216	Read Requirements on-line
J/S	INFT13-327	Advanced Big Data Projects and Case Study		INFT12-223 & INFT13-326

Plus one subject from the following options:

S	ECON13-300	Advanced Econometrics	ECON12-200	
S	INFT13-361	Financial Trading Systems	INFT12-216	Read Requirements on-line

The Majors below can only be taken as a second Major

Bond Business School Majors

ACCT	MAJOR - ACCOUNTING	COMMERCE	
ACSC	MAJOR - ACTUARIAL SCIENCE	COMMERCE	
ECON	MAJOR - ECONOMICS	COMMERCE	
FINC	MAJOR - FINANCE	COMMERCE	
ENTI	MAJOR - ENTREPRENEURSHIP AND INNOVATION	BUSINESS	
IBUS	MAJOR - INTERNATIONAL BUSINESS	BUSINESS	
MGMT	MAJOR - MANAGEMENT	BUSINESS	
MKCM	MAJOR - MARKETING COMMUNICATION	BUSINESS	
MKTG	MAJOR - MARKETING	BUSINESS	
TOUM	MAJOR - TOURISM MANAGEMENT	BUSINESS	

Elective 6 Subjects (60CP) - Students may choose to take their electives from the combinations below.

2nd Majors	choose any six subject major from the Bond Business School
Minors	choose any four subject minor from the Bond Business School and two elective subjects from the university
General Elective UG	General elective – A subject that may be chosen from any subject on offer across the University provided requisites, enrolment restrictions and any other faculty requirements have been met.

Semester	Code	Title	Assumed Knowledge	Requisite
Sequence Plan For students Commencing January 2019				
1st Semester January 191	ACCT11-100	Accounting for Decision Making		
	CORE11-001	Critical Thinking and Communication		
	ECON11-100	Principles of Economics		
	STAT11-112	Quantitative Methods		
2nd Semester May 192	CORE11-002	Leadership and Team Dynamics	CORE11-001 or BCDP02-101	
	ECON12-200	Econometrics	STAT11-100 or STAT11-111 or STAT11-112	
	FINC12-200	Fundamentals of Finance	ACCT11-100 & ECON11-100 or HRTM12-206 & STAT11-111 or STAT11-112	
	MKTG11-100	Marketing		
3rd Semester September 193	CORE11-003	Ethical Thought and Action	CORE11-001 or BCDP02-101 & CORE11-002 or BCDP02-102	
	INFT12-216	Data Science		
	LAWS10-100	Business Law		
	Alternative BUS	Choose either ACCT12-111 OR INFT11-120		
4th Semester January 201	Major/Elective/Exchange	Optional Major subject, Elective or Exchange Semester		
	Major/Elective/Exchange	Optional Major subject, Elective or Exchange Semester		
	Major/Elective/Exchange	Optional Major subject, Elective or Exchange Semester		
	Major/Elective/Exchange	Optional Major subject, Elective or Exchange Semester		
5th Semester May 202	INFT12-223	Machine Learning in Business	INFT12-216	Read Requirements on-line
	INFT13-326	Statistical Learning and Regression Models	ECON12-200 & INFT12-216	Read Requirements on-line
	Alternative COM	Choose either ACCT12-200 OR FINC12-201		
	Major/Elective	Optional Major subject or Elective		
6th Semester September 203	INFT13-327	Advanced Big Data Projects and Case Study		INFT12-223 & INFT13-326
	Major/Elective	Optional Major subject or Elective		
	Major/Elective	Optional Major subject or Elective		
	Major/Elective	Optional Major subject or Elective		

Sequence Plan For students Commencing May 2019				
Available	Code	Title	Assumed Knowledge	Requisite
1st Semester May 192	ACCT11-100	Accounting for Decision Making		
	CORE11-001	Critical Thinking and Communication		
	ECON11-100	Principles of Economics		
	STAT11-112	Quantitative Methods		
2nd Semester September 193	CORE11-002	Leadership and Team Dynamics	CORE11-001 or BCDP02-101	
	ECON12-200	Econometrics	STAT11-100 or STAT11-111 or STAT11-112	
	FINC12-200	Fundamentals of Finance	ACCT11-100 & ECON11-100 or HRTM12-206 & STAT11-111 or STAT11-112	
	MKTG11-100	Marketing		
3rd Semester January 201	CORE11-003	Ethical Thought and Action	CORE11-001 or BCDP02-101 & CORE11-002 or BCDP02-102	
	INFT12-216	Data Science		
	LAWS10-100	Business Law		
	Alternative BUS	Choose either ACCT12-111 OR INFT11-120		
4th Semester May 202	INFT12-223	Machine Learning in Business	INFT12-216	Read Requirements on-line
	INFT13-326	Statistical Learning and Regression Models	ECON12-200 & INFT12-216	Read Requirements on-line
	Alternative COM	Choose either ACCT12-200 OR FINC12-201		
	Major/Elective	Optional Major subject or Elective		
5th Semester September 203	INFT13-327	Advanced Big Data Projects and Case Study		INFT12-223 & INFT13-326
	Major/Elective	Optional Major subject or Elective		
	Major/Elective	Optional Major subject or Elective		
	Major/Elective	Optional Major subject or Elective		
6th Semester January 211	Major/Elective/Exchange	Optional Major subject, Elective or Exchange Semester		
	Major/Elective/Exchange	Optional Major subject, Elective or Exchange Semester		
	Major/Elective/Exchange	Optional Major subject, Elective or Exchange Semester		
	Major/Elective/Exchange	Optional Major subject, Elective or Exchange Semester		

Sequence Plan For students Commencing September 2019				
Available	**Code**	**Title**	**Assumed Knowledge**	**Requisite**
1st Semester	ACCT11-100	Accounting for Decision Making		
September	CORE11-001	Critical Thinking and Communication		
193	ECON11-100	Principles of Economics		
	STAT11-112	Quantitative Methods		
2nd Semester	CORE11-002	Leadership and Team Dynamics	CORE11-001 or BCDP02-101	
January	ECON12-200	Econometrics	STAT11-100 or STAT11-111 or STAT11-112	
201	FINC12-200	Fundamentals of Finance	ACCT11-100 & ECON11-100 or HRTM12-206 & STAT11-111 or STAT11-112	
	INFT12-216	Data Science		
3rd Semester	CORE11-003	Ethical Thought and Action	CORE11-001 or BCDP02-101 & CORE11-002 or BCDP02-102	
May	INFT12-223	Machine Learning in Business	INFT12-216	Read Requirements on-line
202	INFT13-326	Statistical Learning and Regression Models	ECON12-200 & INFT12-216	Read Requirements on-line
	Alternative BUS	Choose either ACCT12-111 OR INFT11-120		
4th Semester	Major/Elective/Exchange	Optional Major subject, Elective or Exchange Semester		
September	Major/Elective/Exchange	Optional Major subject, Elective or Exchange Semester		
203	Major/Elective/Exchange	Optional Major subject, Elective or Exchange Semester		
	Major/Elective/Exchange	Optional Major subject, Elective or Exchange Semester		
5th Semester	INFT13-327	Advanced Big Data Projects and Case Study		INFT12-223 & INFT13-326
January	MKTG11-100	Marketing		
211	Alternative COM	Choose either ACCT12-200 OR FINC12-201		
	Major/Elective	Optional Major subject or Elective		
6th Semester	LAWS10-100	Business Law		
May	Major/Elective	Optional Major subject or Elective		
212	Major/Elective	Optional Major subject or Elective		
	Major/Elective	Optional Major subject or Elective		
Important Note				

You are registered into Bond Beyond Bond which is a practical, activity-based program that extends across the duration of all undergraduate degrees.

You are registered in the Bond Business Mentoring Program designed for all new undergraduate students; please be advised the first scheduled gathering is in the

Bond Business School orientation, If you require further information please email businessmentoring@bond.edu.au .

The information published in this document is correct at the time of publishing. However, all programs are subject to review by the Academic Senate of the University and reserves the right to change its program offerings and subjects without notice.