

Program structure and sequence plan

BN-13150 Master of Data Analytics (Professional)			
January Intake			
Semester 1	January 2027	Assumed Knowledge	Requisites
DTSC71-200	Data Science		
STAT71-112	Quantitative Methods		
AMG	Choose a subject from the Analytics or Applied options		
Semester 2	May 2027	Assumed Knowledge	Requisites
ECON71-200	Linear Models and Applied Econometrics		
DTSC71-301	Deep Learning Through Neural Networks	STAT71-112	DTSC71-200
AMG	Choose a subject from the Analytics or Applied options		
Semester 3	September 2027	Assumed Knowledge	Requisites
DTSC71-302	Statistical Learning and Regression Models	DTSC71-200 ECON71-200	
DTSC71-300	Infrastructure for Data Analytics	STAT71-112	
DTSC71-306	Modern Machine Learning Models	DTSC71-100 DTSC71-200	
Semester 1	January 2028	Assumed Knowledge	Requisites
DTSC71-304	Applied Data Analytics Project		DTSC71-302 Co-Req DTSC71-301 or DTSC71-306
AMG	Choose a subject from the Analytics or Applied options		
AMG	Choose a subject from the Analytics or Applied options		
Semester 2	May 2028	Assumed Knowledge	Requisites
Professional Option	Student must choose BUSN71-701 or BUSN71-705		
BN-13150 Master of Data Analytics (Professional)			
September Intake			
Semester 1	September 2027	Assumed Knowledge	Requisites
DTSC71-200	Data Science		
STAT71-112	Quantitative Methods		
AMG	Choose a subject from the Analytics or Applied options		
Semester 2	January 2028	Assumed Knowledge	Requisites
DTSC71-301	Deep Learning Through Neural Networks	STAT71-112	DTSC71-200
DTSC71-300	Infrastructure for Data Analytics	STAT71-112	
AMG	Choose a subject from the Analytics or Applied options		
Semester 3	May 2028	Assumed Knowledge	Requisites
ECON71-200	Linear Models and Applied Econometrics		
DTSC71-302	Statistical Learning and Regression Models	DTSC71-200 ECON71-200	
AMG	Choose a subject from the Analytics or Applied options		
Semester 1	September 2028	Assumed Knowledge	Requisites
DTSC71-304	Applied Data Analytics Project		DTSC71-302 Co-Req DTSC71-301 or DTSC71-306
DTSC71-306	Modern Machine Learning Models	DTSC71-100 DTSC71-200	
AMG	Choose a subject from the Analytics or Applied options		
Semester 2	January 2029	Assumed Knowledge	Requisites
Professional Option	Student must choose BUSN71-701 or BUSN71-705		

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Available J S	Program Overview	Cricos 098314E	Version 1
Required Subjects 40	Students must complete the following 40 CP of subjects.		
DTSC71-200	Data Science	J S	10
DTSC71-300	Infrastructure for Data Analytics	J S	10
DTSC71-301	Deep Learning Through Neural Networks	J M	10
DTSC71-302	Statistical Learning and Regression Models	M S	10
DTSC71-304	Applied Data Analytics Project	J S	10
DTSC71-306	Modern Machine Learning Models	S	10
ECON71-200	Linear Models and Applied Econometrics	J M S	10
STAT71-112	Quantitative Methods	J M S	10
Professional Option	Student must choose BUSN71-701 or BUSN71-705		
BUSN71-701	Professional Portfolio	J M S	45
BUSN71-705	Professional Development	J M S	45
Analytics Option	Choose a subject from the Analytics option		
ACSC71-200	Mathematical Statistics	M S	10
ACSC71-306	Stochastic Processes	J S	10
ACSC71-307	Survival Analysis	M S	10
DTSC71-100	Business Analytics Coding	J S	10
DTSC71-307	Advanced Statistical Learning Models	S	10
ECON71-300	Advanced Econometrics	S	10
Applied Options	Students must choose twenty credit points (20CP) of the following Applied Option subjects.		
ACCT71-211	Accounting Information Systems	J S	10
ACCT71-306	Data Analytics for Accountants	J S	10
DTSC71-110	Cyber and Fraud Threats in Organisations	S	10
DTSC71-305	Financial Trading Systems	S	10
HPER71-110	Evidence Based Practice and Policy	J	10
HPER71-119	Leading Innovation in Healthcare	J	10
MKTG71-303	Market Research	M S	10
MKTG71-315	Marketing Analytics	M S	10
PSYC71-409	Multivariate Research Methods	J S	10
Available J S	Program Overview	#N/A	#N/A
The Master of Data Analytics (Professional) program comprises 80 credit points of Required Subjects, 20 credit points from an Analytics Option, 20 credit points from an Applied Option, and a 45 credit point Professional Option (Professional Portfolio or Professional Development), totalling 165 credit points across five semesters. The program develops advanced capabilities in data science, statistical modelling, econometrics, machine learning, deep learning, and applied analytics, while providing substantial professional experience through an integrated professional development component and opportunities to specialise through analytics and application-focused option subjects.			
Assumed Knowledge			
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. Please check for all requirements on your subject outline prior to enrolment.			
Opportunities			
Students may have the opportunity to participate in an international study tour experience or internship as a general elective. Those interested should consult an Enrolment Officer in Student Assist for guidance and to check eligibility requirements (e.g., GPA, language proficiency, prerequisites).			
Additional Notes			
*Please note that the Professional Portfolio or Professional Development subject is a 20-week, 45-credit point subject and is taken in the last semester of the program once all other coursework subjects have been completed. The Career Development Centre will provide assistance in choosing the relevant professional subject prior to your last semester.			