8543 - Information Technology - Data Science and Engineering
96 UoC

Program Structure

Students must complete 36 UoC of Core Courses

Students must complete 30 UoC of Prescribed Electives. Note that students can take a maximum of 12 UOC of courses from outside the School of Computer Science and Engineering. (If MATH5836 is selected as a prescribed elective, only an additional 6 UOC of courses can be chosen from the Non-Computing Elective List).

Students must complete 36 UoC of Disciplinary Electives

At least 36 UoC courses chosen must be taken from the Advanced Disciplinary Knowledge Course List

Note: COMP9900 counts as both a core and an ADK. Once COMP9900 is counted, only a further 30 UoC of ADK courses need to be selected.

Course	UoC	ADK Course?	Complete?
Core Courses / 36 UoC			
COMP9021	6		
COMP9024	6		
COMP9311	6		
COMP9331	6		
COMP9900	6	Y	
GSOE9820	6		
UoC Sub Total	**36**		
Electives / 54 UoC			
Prescribed Electives / 30 UoC of Prescribed Electives must be taken			
12 UOC must be chosen from any 2 lists and a further 6 UOC must be chosen from the remaining third list.			
Algorithms and Statistics			
COMP4141	6		
COMP6741	6	Y	
MATH5845	6		
MATH5855	6		
MATH5905	6		
MATH5960	6		
Databases and Data Mining			
COMP9313	6		
COMP9315	6	Y	
COMP9318	6	Y	
COMP9319	6	Y	
COMP9321	6		
Machine Learning, Information Retrieval, Kowledge Representation			
COMP4418	6	Y	
COMP6714	6	Y	
COMP9417	6	Y	
COMP9444	6	Y	
MATH5836	6	Y	
UoC Sub Total	**30**		
Disciplinary Electives / 36 UoC of Disciplinary Electives must be taken			
The full list of Disciplinary Electives can be found in the handbook			
The selection listed below is a sample of courses that overlap with other specialisation requirements			
COMP4141	6		
COMP9313	6		
COMP9321	6		
GSOE9820	6		
UoC Sub Total	**36**		
Non-Computing Electives / A maximum of 12 UoC of Non-Computing Electives can be taken			
The full list of Non-Computing Electives can be found in the handbook.			
The selection listed below is a sample of courses that overlap with other specialisation requirements.			
MATH5836	6	Y	
GEOS9016	6	Y	
Total Program UoC	**96**		
Please check the handbook and latest timetable to confirm current course offerings and requirements			

Project Option / 6 - 18 UoC

Students have the option of completing 6 - 18 UoC of project courses

(COMP9900 - 6 UoC Total) **OR**
(COMP9991 **AND** COMP9992 - 12 UoC Total)
OR (COMP9991 **AND** COMP9993 - 18 UoC Total)

Advanced Disciplinary Knowledge Courses (ADK) 36 of the total UoC for this degree must be taken from the Advanced Disciplinary Knowledge Course List below		
Course	**UoC**	**Complete?**
COMP4418	6	
COMP6714	6	
COMP6741	6	
COMP9315	6	
COMP9318	6	
COMP9319	6	
COMP9417	6	
COMP9444	6	
COMP9900	6	
GEOS9016	6	
MATH5836	6	
COMP4121	6	
COMP4161	6	
COMP6445	6	
COMP6447	6	
COMP6448	6	
COMP6452	6	
COMP6721	6	
COMP6733	6	
COMP6752	6	
COMP6771	6	
COMP6845	6	
COMP6991	6	
COMP9153	6	
COMP9242	6	
COMP9243	6	
COMP9312	6	
COMP9323	6	
COMP9334	6	
COMP9336	6	
COMP9337	6	
COMP9418	6	
COMP9434	6	
COMP9491	6	
COMP9517	6	
COMP9727	6	
COMP9991	6	
COMP9992	6	
COMP9993	12	
GMAT9600	6	
UoC Total	**36**	