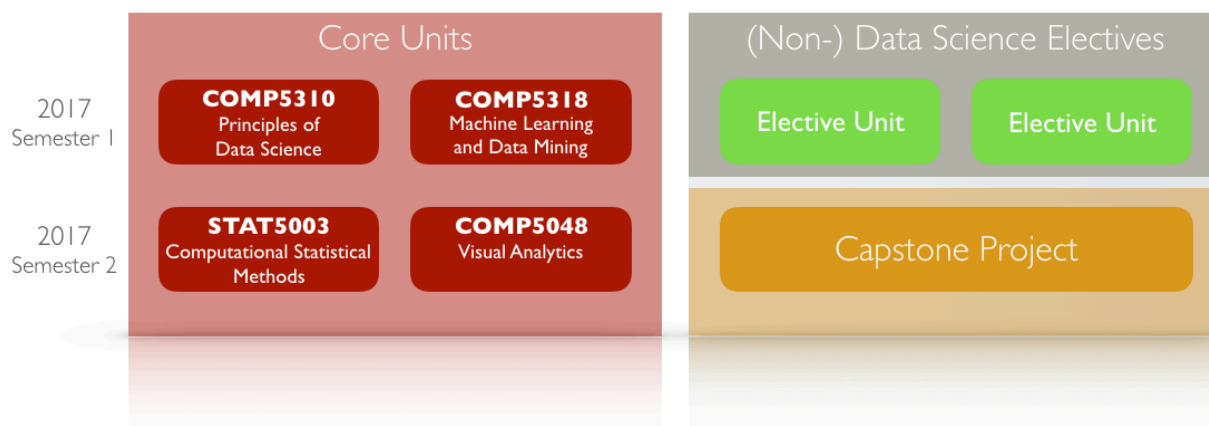


# Master of Data Science (MDS)

## Degree Structure 2017 - Start Semester 1

For detailed planning, please use <http://cusp.sydney.edu.au>



Core Units (24 cp - compulsory; without waiver: COMP5310, COMP5318, COMP5048, STAT5003) (COMP5310 is waived for former GradCertDS students; they enrol instead in a third elective unit (#))			
available Semester 1		available Semester 2	
<b>COMP5310</b>	Principles of Data Science	<b>COMP5310</b>	Principles of Data Science
<b>COMP5318</b>	Machine Learning and Data Mining	<b>COMP5048</b>	Visual Analytics
		<b>STAT5003</b>	Computational Statistical Methods (*)

Data Science Elective Units			
available Semester 1		available Semester 2	
<b>COMP5046</b>	Natural Language Processing (+)	<b>COMP5338</b>	Advanced Data Models
<b>COMP5349</b>	Cloud Computing	<b>QBUS6810</b>	Statistical Learning and Data Mining (*)
<b>COMP5425</b>	Multimedia Retrieval		
<b>INFO5301</b>	Information Security Management		
<b>QBUS6840</b>	Predictive Analytics (*)		
			<b>available in Summer School</b>
		<b>INFO5060</b>	Data Analytics and Business Intelligence

Non-Data Science Elective Units (max 12 cp)			
available Semester 1		available Semester 2	
<b>EDPC5012</b>	Evaluating Learning Tech. Innovation	<b>EDPC5025</b>	Learning Technology Research Frontiers
		<b>ITLS6107</b>	Applied GIS and Spatial Data Analytics
		<b>ITLS6107</b>	might also be offered in <b>Summer School</b>
<b>PHYS5033</b>	Environmental Footprints and IO Analysis	<b>PHYS5033</b>	Environmental Footprints and IO Analysis
	<i>further units may be chosen as non-DS Elective from any discipline if deemed appropriate by the Program Director</i>		

\* **Note 1:** Some units have internal prerequisites which preclude new students from self-enrolling to them in Sydney Student. These are: STAT5003, QBUS6810 and QBUS6840

To enrol in those units, students need to submit a 'Special Permission' request with comment "MDS student". This request should be automatically granted for MDS students, typically within one working day.

In particular, MDS students are not required to take STAT5002 before STAT5003. Please directly enrol in STAT5003. If you have further questions, please contact Keiko Narushima..

+ **Note 2:** COMP5046 Natural Language Processing is offered 2017, though enrolling requires 'Departmental Permission'. This request will be granted for MDS students.

# **Note 3:** There is no Credit Transfer possible between the Graduate Certificate in Data Science and the Master of Data Science. Students with a Graduate Certificate in Data Science still need to complete 48 cpts in a subsequent Master of Data Science. They however get a waiver for COMP5310, and will enrol in a third Elective Unit instead.