# Master of Data Science (MDS)
## Degree Structure 2017 - Start Semester 2

For detailed planning, please use [http://cusp.sydney.edu.au](http://cusp.sydney.edu.au)

## Core Units

- **available Semester 1**
  - COMP5310: Principles of Data Science
  - COMP5318: Machine Learning and Data Mining

- **available Semester 2**
  - COMP5310: Principles of Data Science
  - COMP5048: Visual Analytics
  - STAT5003: Computational Statistical Methods

## Data Science Elective Units

- **available Semester 1**
  - COMP5349: Cloud Computing
  - COMP5425: Multimedia Retrieval
  - INFOS301: Information Security Management
  - QBUS6840: Predictive Analytics

- **available Semester 2**
  - COMP5338: Advanced Data Models
  - QBUS6810: Statistical Learning and Data Mining
  - INFOS5060: Data Analytics and Business Intelligence

## Non-Data Science Elective Units

- **available Semester 1**
  - EDPC5012: Evaluating Learning Tech. Innovation
  - ITLS6107: Applied GIS and Spatial Data Analytics
  - PHYS5033: Environmental Footprints and IO Analysis

- **available Semester 2**
  - EDPC5025: Learning Technology Research Frontiers
  - ITLS6107: might also be offered in Summer School
  - PHYS5033: Environmental Footprints and IO Analysis

Further units may be chosen as non-DS Elective from any discipline if deemed appropriate by the Program Director.

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**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 the Faculty office.

**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.