Module Fair
MSc CS/DA & MEng
Core Modules:

- CS908 Research Methods
- CS907 Dissertation Project
- CS917 Foundations of Computing
Option 1: Theory route

- CS409 Algorithmic Game Theory
- CS414 Semantic Web
- CS910 Foundations of Data Analytics
- CS911 Operational Research and Optimisation
- CS915 Advanced Computer Security
- CS916 Social Informatics
Option 2: Software route

- CS402 High Performance Computing
- CS413 Image and Video Analysis
- CS414 Semantic Web
- CS909 Data Mining
- CS915 Advanced Computer Security
- CS918 Natural Language Processing
Option 3: Applications route

- CS402 High Performance Computing
- CS413 Image and Video Analysis
- CS909 Data Mining
- CS910 Foundations of Data Analytics
- CS912 Sensor Networks and Mobile Data Comms
- CS916 Social Informatics
- CS918 Natural Language Processing
MSc Data Analytics

Core Modules:

- CS908 Research Methods
- CS909 Data Mining
- CS910 Foundations of Data Analytics
- CS913 Dissertation Project
- CS917 Foundations of Computing
## Option 1: Software route

- CS402 High Performance Computing
- CS413 Image and Video Analysis
- CS414 Semantic Web
- CS915 Advanced Computer Security
- CS918 Natural Language Processing
Option 2: Applications route

- CS402 High Performance Computing
- CS413 Image and Video Analysis
- CS912 Sensor Networks and Mobile Data Comms
- CS916 Social Informatics
- CS918 Natural Language Processing
Option 3: Communications route

- CS912 Sensor Networks and Mobile Data Comms
- ES918 (ES4C4) Optical Communication Systems
- ES9R8 (ES4D2) Wireless Communications
- ES96Y Information Theory and Coding
Other modules which can be used to replace options above:

- CS911 Operational Research and Optimisation
- ES4C8 Signal and Image Processing
- ES96T Advanced Wireless Systems and Networks
- IM913 Methods and Practices in Urban Science
Core Module: CS407 Group Project

Option 1: Algorithms and Software route

- CS409 Algorithmic Game Theory
- CS414 Semantic Web
- CS415 Decision Procedures
- CS909 Data Mining
- CS910 Foundations of Data Analytics
- CS915 Advanced Computer Security
Option 2: Software and Applications route

- CS402 High Performance Computing
- CS413 Image and Video Analysis
- CS414 Semantic Web
- CS415 Decision Procedures
- CS909 Data Mining
- CS910 Foundations of Data Analytics

As unusual option for either route: CS916 Social Informatics