**MSc in Data Analytics – Module options**

**Supplier Matrix**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Modules** | **Core/Optional** | **University of Southampton** | **Oxford Brookes** | **UCL – Data Science** |
| Statistics in Government:  | Core Modules | **Yes** | **Yes** | **Yes** |
| Data Science Foundations | Core Modules | **Yes** | **Yes** | **Yes** |
| Survey Fundamentals:  | Core Modules | **Yes** | **Yes** | **Yes** |
| Statistical Programming | Core Modules | **Yes** | **Yes** | **Yes** |
| Introduction to Survey Research | Optional modules  | **Yes** | **Yes** | **Yes** |
| Regression Modelling | Optional modules  | **Yes** | **Yes** | **Yes** |
| Data visualisation | Optional modules  | **Not available** | **Yes** | **Yes** |
| Evaluation and Monitoring | Optional modules  | **Yes** | **Not available** | **Not available** |
| Economics and National Accounts | Optional modules  | **Yes** | **Not available** | **Not available** |
| Survey Data Collection | Optional modules  | **Yes** | **Yes** | **Yes** |
| Further Survey Estimation Methods | Optional modules  | **Yes** | **Yes** | **Yes** |
| Index Numbers | Optional modules  | **Yes** | **Not available** | **Not available** |
| Demographic Methods | Optional modules  | **Yes** | **Yes** | **Not available** |
| Statistical Disclosure Control | Optional modules  | **Yes** | **Not available** | **Not available** |
| Advanced Statistical Modelling | Optional modules  | **Yes** | **Yes** | **Yes** |
| Time Series analysis | Optional modules  | **Yes** | **Yes** | **Yes** |
| Small Area Estimation | Optional modules  | **Yes** | **Not available** | **Yes** |
| Spatial Analysis | Optional modules  | **Yes** | **Yes** | **Yes** |
| Bayesian (probabilistic) methods | Optional modules  | **Yes** | **Yes** | **Yes** |
| An Intro to Machine Learning | Optional modules  | **Not available** | **Yes** | **Yes** |
| Advanced Machine Learning | Optional modules  | **Not available** | **Yes** | **Not available** |
| Intro to distributed systems | Optional modules  | **Not available** | **Yes** | **Yes** |
| Data Mining | Optional modules  | **Yes** | **Yes** | **Yes** |
| Applied Data Mining | Optional modules  | **Not available** | **Yes** | **Yes** |
| Advanced Programming for Data Analytics | Optional modules  | **Not available** | **Yes** | **Yes** |
| **Delivery Options** |  |  |  |  |
| Part time Day |  |  | **Yes** | **Yes** |
| Part time Evening |  |  |  |  |
| Part time Weekend |  |  |  |  |
| Part time Block Release |  | **Yes** |  |  |
| Other |  | **Some modules to be considered to run in block in other locations** | **Some modules to be considered to run in block in other locations** | **Some modules to be considered in block in other locations** |