

## FALL SEP - DEC

### Block 1 (4 weeks)

- 511 - Programming for Data Science
- 521 - Computing Platforms for Data Science
- 542 - Communication and Argumentation
- 551 - Descriptive Statistics and Probability for Data Science

### Block 2 (4 weeks)

- 523 - Data Wrangling
- 531 - Data Visualization I
- 512 - Algorithms and Data Structures
- 552 - Statistical Inference and Computation I

### Block 3 (4 weeks)

- 561 - Regression I
- 532 - Data Visualization II
- 571 - Supervised Learning I
- 513 - Databases and Data Retrieval

## WINTER JAN - APR

### Block 4 (4 weeks)

- 562 - Regression II
- 573 - Feature and Model Selection
- 572 - Supervised Learning II
- 522 - Data Science Workflows

### Block 5 (4 weeks)

- 563 - Unsupervised Learning
- 553 - Statistical Inference and Computation II
- 524 - Collaborative Software Development
- 574 - Spatial and Temporal Models

### Block 6 (4 weeks)

- 575 - Advanced Machine Learning
- 541 - Privacy, Ethics and Security
- 554 - Experimentation and Causal Inference
- 525 - Web and Cloud Computing

## SPRING MAY - JUN

CAPSTONE  
PROJECT  
(8 weeks)

Languages used: R, Python, R & Python