

(I) 2 weeks

DSCI 511:
Programming for
Data Science

DSCI 521:
Computing Platforms
for Data Science

(II) 4 weeks

DSCI 522: Data
Science Workflows

DSCI 523:
Data Wrangling

DSCI 512:
Algorithms and Data
Structures

DSCI 551: Exploratory
Data Analysis for Data
Science

(III) 2 weeks

DSCI 513:
Databases and Data
Retrieval

DSCI 552:
Statistical Inference
and Computation I

(IV) 4 weeks

DSCI 531:
Data Visualization I

DSCI 524:
Collaborative Software
Development

DSCI 553:
Statistical Inference
and Computation II

DSCI 561: Regression I

(V) 4 weeks

DSCI 525: Web and
Cloud Computing

DSCI 542:
Communication and
Argumentation

DSCI 562:
Regression II

DSCI 571:
Supervised Learning I

(VI) 5 weeks

(4 weeks + midterm
break)

DSCI 541: Privacy,
Ethics, and Security

DSCI 563:
Unsupervised Learning

DSCI 572:
Supervised Learning II

DSCI 573: Feature
and Model Selection

(VII) 4 weeks

DSCI 532:
Data Visualization II

DSCI 554:
Experimentation and
Causal Inference

DSCI 574: Spatial
and Temporal
Models

DSCI 575:
Advanced Machine
Learning

(VIII) 8 weeks

DSCI 591:
Capstone Project

| M | T | W | Th |
|---|---|---|----|
| A | A | A | A |
| B | B | B | B |

| M | T | W | Th |
|---|---|---|----|
| A | B | A | B |
| C | D | C | D |

Each lecture = 1.5 hours