WPI DATA SCIENCE - SAMPLE SCHEDULES

These sample schedules are for illustration purposes only. The formulation of a schedule that best suits your background and interests should be discussed and then approved by your Academic Advisor and noted in your Plan of Study.

SAMPLE SCHEDULE 1 (taking ramp-up courses in first semester)

SEMESTER 1
- DS501- Introduction to Data Science
- CS5007 - Introduction to Programming Concepts, Data Structures and Algorithms
- MA 511 - Introduction to Statistics

SEMESTER 2
- DS502 - Statistical Methods for Data Science
- CS 542 - Database Management Systems
- MIS 584 - Business Intelligence

SEMESTER 3
- CS 548 - Knowledge, Discovery and Data
- MA542 - Regression Analysis
- CS585/DS503 - Big Data Management

SEMESTER 4
- CS586/DS504 - Big Data Analytics
- DS598 - Graduate Qualifying Project

SAMPLE SCHEDULE 2 (plus, 3 credits for internship in Summer semester).

SEMESTER 1
- DS501 - Introduction to Data Science
- DS502 - Statistical Methods for Data Scientists
- CS542 - Database Management Systems

SEMESTER 2
- CS548 - Knowledge, Discovery and Data Mining
- DS503 - Big Data Management
- MIS 584 - Business Intelligence

SEMESTER 3
- CS539 - Machine Learning
- DS504 - Big Data Analytics

SEMESTER 4
- DS595 - Special Topics - Information Retrieval
- DS598 - Graduate Qualifying Project