Core Courses

INF 510 Principles of Programming for Informatics
INF 549 Introduction to Computational Thinking and Data Science

INF 550 Overview of Data Informatics in Large Data Environments
INF 551 Foundations of Data Management
INF 552 Machine Learning for Data Informatics
INF 553 Foundations and Applications of Data Mining

One of the following user interface/visualization classes:

INF 554 Information Visualization
INF 555 User Interface Design, Implementation, and Testing
INF 556 User Experience Design and Strategy

Electives **

CSCI 544 Applied Natural Language Processing
CSCI 550 Advanced Data Stores
CSCI 570 Analysis of Algorithms
CSCI 572 Information Retrieval and Web Search Engines
INF 529 Security and Privacy in Informatics
INF 558 Building Knowledge Graphs
INF 560 Data Informatics Professional Practicum
INF 599 Special Topics

*Students with previous programming experience in Python can petition to replace this class with a listed elective.

**Whichever courses (INF 554, INF 555, INF 556) are not taken as a required course may be taken as an elective.

Directed Research (CSCI 590), Thesis courses (CSCI 594a, CSCI 594b, CSCI 594z), and Internship courses (ENGR 595a, ENGR 595b, ENGR 595z, ENGR 596) are not eligible for elective credit.