

Quick Guide for Information Science Majors

This Quick Guide is for students thinking of majoring in Information Science. The information Science Major is available to Columbia College and General Studies students only. See the relevant bulletins for complete descriptions.

Requirements

Information science students should begin with the IS Core listed here.

1. Intro to IS (COMS W1001) or Computing in Context (COMS W1002)
2. Intro to CS and Programming in Java (COMS W1004)
3. Clean Object-Oriented Design (COMS W3107)
4. Data Structures in Java (COMS W3134)
5. Probability and Statistics (STAT 4001)

Electives

Six elective courses worth at least 3 points each are required. The elective courses must be chosen with a faculty adviser to focus on the modeling and use of information within the context of a disciplinary theme. After discussing potential selections students prepare a proposal of study that must be approved by the faculty adviser. In all cases the six courses must be at the 3000-level or above with at least three courses chosen from computer science. See the bulletin for some example programs of study. For examples or templates of the program proposal, see a faculty adviser.

Note: In most cases additional courses will be necessary as prerequisites in order to take some of the elective courses. This will depend on the student's proposed program of study.