INFORMATION SCIENCE MAJOR

Requirements

The major in information science may be taken toward either the Bachelor of Arts (B.A.) or the Bachelor of Science (B.S.) degree awards. The B.A. requires 13 courses and the B.S. requires two additional courses.

Course | Title | Credits
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Required Courses (both B.A. and B.S.)
CISC 1100 | Structures of Computer Science | 3 to 4
or CISC 1400 | Discrete Structures | 3 to 4
CISC 1600 | Computer Science I | 4
& CISC 1610 | Computer Science I Lab | 4
CISC 2201 | Systems Analysis | 4
CISC 2350 | Information and Web Programming | 4
CISC 2500 | Information and Data Management | 4
CISC 2850 | Computer and Data Analysis | 4
CISC 3500 | Database Systems | 4
CISC 3850 | Information Retrieval Systems | 4
CISC 4020 | Bioinformatics | 4
CISC 4615 | Data Communications and Networks | 4
CISC 4631 | Data Mining | 4
Select two electives

Additional courses required for the Bachelor of Science

CISC 3300 | Internet and Web Programming | 4

One cybersecurity course

CISC 3580 | Cybersecurity and Applications | 4
CISC 3600 | Secure Cyber Networks | 4
CISC 3650 | Forensic Computing | 4
CISC 4510 | Computer Security Systems | 4

1 Students who take CISC 1600 during Fordham’s Summer Session do not take CISC 1610, as the summer lecture and lab are offered in a combined format.

2 Elective courses are selected from department courses in consultation with a department adviser. One of the electives must be numbered 2000 or above, while the other must be 3000 or above, excluding CISC 4001 Computers and Robots in Film, CISC 4650 Cyberspace: Issues and Ethics, and CISC 4660 Minds, Machines, and Society.

Availability

The major in information science is available at Fordham College at Rose Hill and Fordham College at Lincoln Center. Students in Fordham’s School of Professional and Continuing Studies may major in information science only if their schedules are sufficiently flexible to permit them to take day courses at the Rose Hill or Lincoln Center campuses. Effective Spring 2020, the major in Information Science has been suspended, and is not accepting new major declarations.

Fordham College at Rose Hill students: The requirements above are in addition to those of the Core Curriculum.

Professional and Continuing Studies students: The requirements above are in addition to those of the PCS Core Curriculum and any additional electives that may be required to earn a minimum of 124 credits.