

## Career Options in Information Systems

The ISI program prepares students for careers as

- Business and systems analysts
- Application/Software architect
- Web designers and developers
- Database administrators
- Information systems consultants
- Information Systems managers
- Network Security specialists
- Project managers
- Data scientists
- Social media managers
- System integrators
- Cloud/data center managers
- Information System Acquistioners
- Information System Strategists



**For more information  
about the BS-ISI  
please go to:**

<http://cis.csi.cuny.edu>

**or contact our  
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## BACHELOR OF SCIENCE INFORMATION SYSTEMS & INFORMATICS (ISI)



# Information Systems & Informatics (ISI)

## MISSION

The ISI program is jointly managed by the Computer Science and Marketing Departments to provide students with a detailed understanding of the theory and practice of information systems through courses in business, information management and computer science. The program:

- Includes an integrated blend of business & computer knowledge
- Prepares students to design, develop, and implement state-of-the-art information systems.
- Provides hands-on experience that synthesizes conceptual and technical knowledge
- Trains students for managerial decision making, statistical modeling, and advanced analytics

## BS-ISI DEGREE REQUIREMENTS

### General Education: 36-42 credits

*(see course catalog for details)*

Pathways Core	12 cr
Flexible Core	18 cr
<i>Must include MTH 121, or 123, or 130</i>	
College Option	6- 12 cr

### Pre-Major Requirements: 35-38 credits

*All students must take:*

ACC 114 Intro to Accounting	4cr
BUS 160 Business. Law	3cr
BUS 215 Information Management	4 cr
CSC 126 Intro to Computer Science	4 cr
ISI 300 Info Structures for Bus	4 cr
ECO 111 Intro to Micro Economics	4 cr
ECO/MGT 230 Intro to Statistics	4 cr
MGT 110 Org Theory & Management	4 cr

*Plus one of the following math courses*

MTH 221, 230, 231, 232	4-7 cr
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## BS-ISI DEGREE REQUIREMENTS

### Information Systems Core Courses 18 credits

*All students must take:*

ISI 205 Data Comm. & IT Infrastructure	4 cr
ISI 352 Intro to Systems Analysis & Design	4 cr
ISI 490 Capstone Project in Info Systems	4 cr
CSC 226 Web Database Applications	2 cr
CSC 315 Intro to Database Mgt Systems	4 cr

### Information Systems Concentration 12 cr.

*All students must take at least two courses from one concentration area and at least one course from the second concentration area.*

#### Concentration 1: \_\_\_\_\_

ISI 315 Information Security & Risk Mgt	4 cr
ISI 334 Bus Intelligence & Analytics	4 cr
ISI 364 Enterprise Computing Strategies	4 cr
ISI 374 Information Systems Project Mgt	4 cr

#### Concentration 2 \_\_\_\_\_

CSC 421 Internet Data Comm & Security	4 cr
CSC 424 Database Management Systems	4 cr
CSC 438 Mobile Application Dev	4 cr

### Free Electives 10-19 cr.

### Total Credits 120 cr

*A minimum GPA of 2.5 is required for admission to and continuation in the Information Systems major and for graduation*