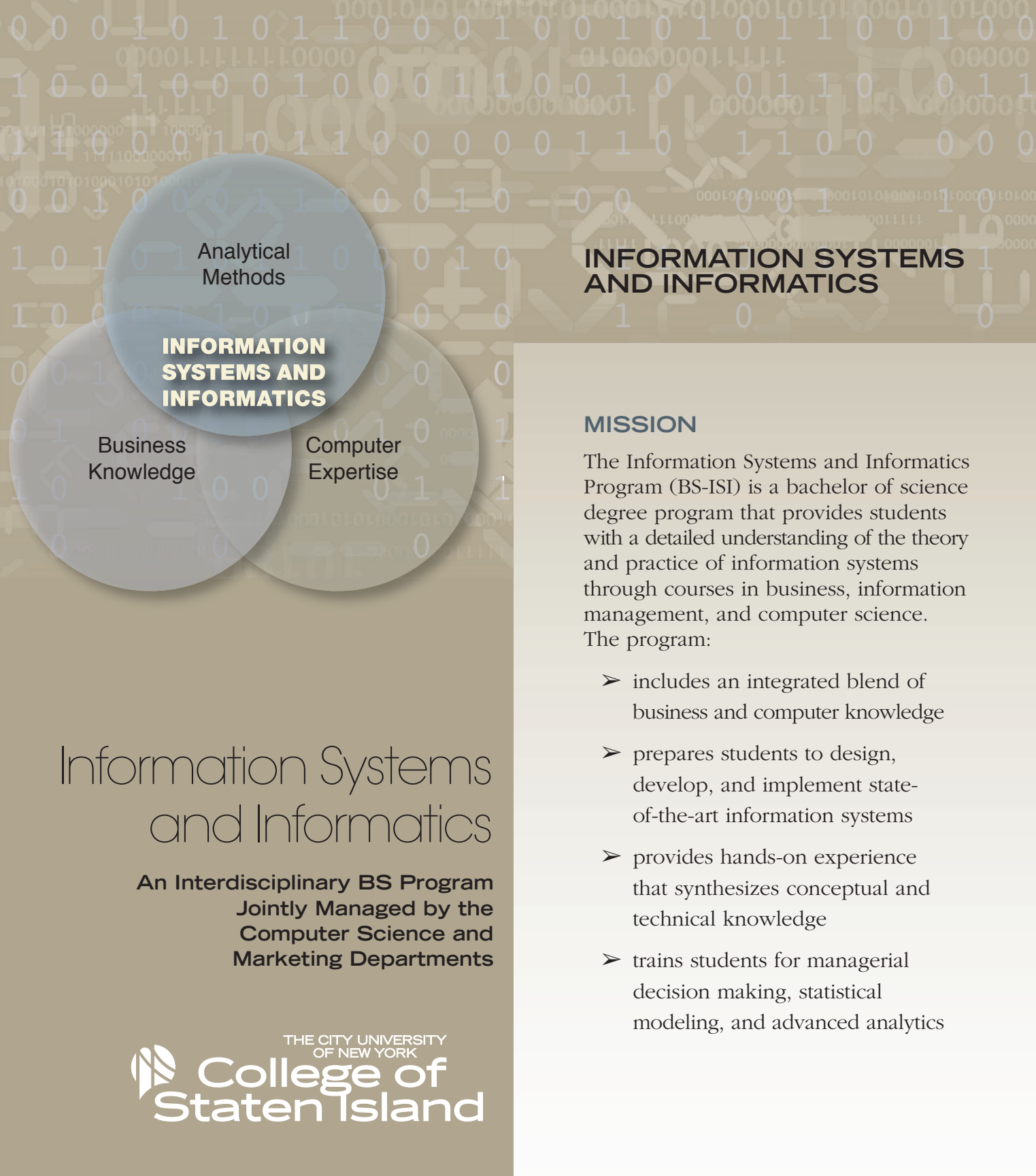


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Analytical  
Methods

**INFORMATION  
SYSTEMS AND  
INFORMATICS**

Business  
Knowledge

Computer  
Expertise

## INFORMATION SYSTEMS AND INFORMATICS

### MISSION

The Information Systems and Informatics Program (BS-ISI) is a bachelor of science degree program that provides students with a detailed understanding of the theory and practice of information systems through courses in business, information management, and computer science. The program:

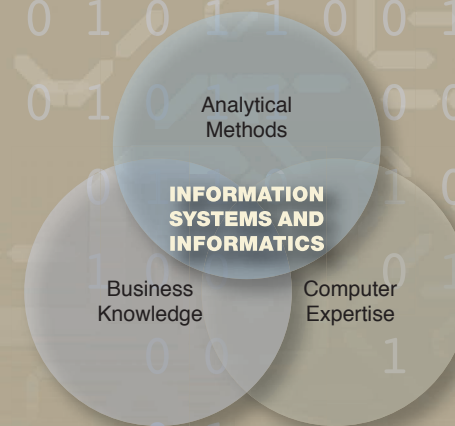
- includes an integrated blend of business and computer knowledge
- prepares students to design, develop, and implement state-of-the-art information systems
- provides hands-on experience that synthesizes conceptual and technical knowledge
- trains students for managerial decision making, statistical modeling, and advanced analytics

## Information Systems and Informatics

**An Interdisciplinary BS Program  
Jointly Managed by the  
Computer Science and  
Marketing Departments**



*The US Department of Labor anticipates that there will be over 390,000 new jobs in ISI-related fields by 2022.*



## INFORMATION SYSTEMS AND INFORMATICS BS-ISI DEGREE REQUIREMENTS

### General Education: 36-42 credits

*(see course catalog for details)*

Pathways Core (12 credits)

Flexible Core (18 credits)

*Must include MTH 121, or 123, or 130*

College Option (6-12 credits)

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

*All students must take:*

ACC 114 Intro to Accounting (4 credits)

BUS 160 Business Law (3 credits)

BUS 215 Information Management (4 credits)

CSC 126 Intro to Computer Science (4 credits)

ISI 300 Info Structures for Bus. (4 credits)

ECO 111 Intro to Micro Economics (4 credits)

ECO/MGT 230 Intro to Statistics (4 credits)

MGT 110 Org Theory and Management (4 credits)

Plus one of the following math courses

MTH 221, 230, 231, 232 (4-7 credits)

### Information Systems Core Courses: 18 credits

*All students must take:*

ISI 205 Data Comm. and IT Infrastructure (4 credits)

ISI 352 Intro to Systems Analysis and Design (4 credits)

ISI 490 Capstone Project in Info Systems (4 credits)

CSC 226 Web Database Applications (2 credits)

CSC 315 Intro to Database Mgt. Systems (4 credits)

### Information Systems Concentration 12 credits

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

three

### CONCENTRATION 1:

ISI 315 Information Security and Risk Mgt (4 credits)

ISI 334 Bus. Intelligence and Analytics (4 credits)

ISI 364 Enterprise Computing Strategies (4 credits)

ISI 374 Information Systems Project Mgt. (4 credits)

### CONCENTRATION 2

CSC 421 Internet Data Comm and Security (4 credits)

CSC 424 Database Management Systems (4 credits)

CSC 438 Mobile Application Dev. (4 credits)

### Free Electives 10-19 credits

#### Total Credits 120 credits

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

Visit the BS-ISI Website at <http://cis.csi.cuny.edu>

OR CONTACT OUR PROGRAM COORDINATORS

Marketing Department

#### Professor Soon Ae Chun

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Computer Science Department

#### Professor Zhanyang Zhang

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College of Staten Island/CUNY

2800 Victory Blvd, Staten Island, NY 10314

[www.csi.cuny.edu](http://www.csi.cuny.edu)

## Career Opportunities

The BS-ISI program prepares students for careers as:

- Business and systems analysts
- Application/software architects
- 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 acquisitioners
- Information System strategists