

# INFORMATION SYSTEMS MAJOR

## Requirements

### Major and Track Requirements

The information systems major includes six required courses and four information systems electives. All required courses are drawn from the information, technology, and operations area. While most students choose all four electives from the information systems, technology, and operations area, up to two electives can be taken in the computer science department or in other business areas, with the approval of the faculty adviser.

Course	Title	Credits
INSY 3432	Database Systems	3
INSY 3433	Programming with Java	3
INSY 3441	Systems Analysis	3
INSY 3442	Web Apps Design and Development	3
INSY 4507	Project Management	3
INSY 4800	Global Information Technology Strategy and Management (capstone course)	3

Four electives from one of the following tracks:

Business Analytics Track
Digital Business Innovation Track
Enterprise Architecture Track

### Information Systems Major Electives/Tracks

Students must take four advanced information systems electives. They are encouraged to use at least three advanced elective courses to specialize in their chosen track. Students also can, after consulting with an information, technology, and operations faculty adviser, create an optimal mix of electives across tracks to fit their prior expertise and career goals. While most students choose all four electives from the information, technology, and operations area, up to two electives can be taken in the computer science department or in other business areas, with the approval of the faculty adviser.

Information systems electives sync with the three tracks as follows:

#### Business Analytics Track Electives

Course	Title	Credits
INSY 4506	Business Analytics	3
INSY 4508	Business Modeling With Spreadsheets	3
INSY 4431	Web Analytics	3
INSY 4460		
INSY 3437	ST: Sports Analytics	3
INSY 4434	ST: Data Mining for Business	3

#### Digital Business Innovation Track Electives

Course	Title	Credits
INSY 4505	E-Commerce	3
INSY 4432	Mobile Commerce & Apps	3

INSY 3438	ST: Cybersecurity in Bus	3
INSY 3434	Network App and Telecom Policy	3
INSY 4431	Web Analytics	3
INSY 4430	The Law of Innovation	3

#### Enterprise Architecture Track Electives

Course	Title	Credits
INSY 3421	Accounting Information Systems	3
INSY 3436	ST: Programming with Python	3
INSY 4410		
INSY 4449		
INSY 4460		

Students must also complete the Gabelli School business and liberal arts Core Curricula. In addition, all students complete between three and seven liberal arts electives depending on their major requirements.