



# BS Information Systems

## Knowledge outcomes:

Upon successful completion of this program students will be able to:

- Demonstrate in-depth knowledge in the areas of programming techniques and use of programming languages; analysis and design of systems and concepts relevant to the managerial dimension and use of Information Technology;
- Analyze, implement and manage Information Systems in both their technical and managerial dimensions. Emphasis is given to the ability to comprehend the business implications of IT and optimally manage information systems to achieve competitive advantage;
- Understand and apply the theories and principles of systems design and management in real-life business IT projects;
- Explain the principles and theories of ethical decision-making and their practical implications in the everyday conduct of business; and
- Pursue postgraduate studies or professional qualifications in the fields of computer systems management, software engineering, information systems analysis and IT consultancy.

## Skills outcomes:

As a result of completing this program, students should have acquired the following skills and values:

- effective written and oral communication skills;
- analytical and critical-thinking skills necessary to make sound technical and managerial decisions;
- numeric and quantitative skills including data analysis and interpretation, essential for IT professionals;
- effective use of communication and information technology for business applications;
- effective self-management in terms of time, planning and behaviour, motivation, self-starting, individual initiative and enterprise;
- self-awareness, openness and sensitivity to diversity in business and to people from other cultures.

**Start Dates:** October; February

**Assessment:** A variety of methods of assessing students progress are used including essays, reports, critical analyses, presentations, online assignments and discussions and proctored and open book examinations.

### **Possible Career Options:**

Information Systems graduates, apart from sound technical knowledge, acquire managerial skills necessary for implementing and managing contemporary Information Systems. They may be employed as computer systems analysts, software engineers, IT sales professionals, computer systems managers, IT consultants and more.



**NEW YORK COLLEGE**  
THE INTERNATIONAL COLLEGE OF GREECE

# BS INFORMATION SYSTEMS

General Education - 30 credits	
<i>You must take these 6 courses = 18 credits</i>	
1	Intro to College Reading and Writing
2	Effective Reading & Writing
3	Math
4	US History
5	Natural Science course
6	Diversity course
<i>Select 3 of the following 5 areas = 9 credits</i>	
1	Social Science course
2	Western Civilization course
3	Other World Civilizations
4	Humanities course
5	Arts course
<i>Take 1 course from any category = 3 credits</i>	
	GenEd elective course

Empire State University Concentration Courses - 32 credits	
1	Business Ethics
2	Data Communications & Networking
3	Project Management in Info. Systems
4	IT for Competitive Advantage
5	Final Project in Info Systems
6	WEB Systems Dev. (pre-req. Database Systems)

New York College Concentration Prerequisites	
1	Financial Accounting
2	Statistics for Business
3	Principles of Management
4	Intro to Computing
5	Intro Microeconomics
6	Intro Macroeconomics
7	Discrete Math & Finite Math
8	Management Information Systems
9	Data Structures
10	Organizational Behavior
11	System Analysis & Design

Elective credits - RECOMMENDED	
Social & Economic Development	Software Testing
Intro to Business Communication	Open Source Development
Intro to Sociology	Contemporary Problem Analysis
Intro to Digital Entertainment Technology	Enterprise Systems Development
Ethical Hacking & Digital Forensics	Object Oriented Programming with C#
Data Modeling & Analysis	Management Info Systems
E-government Systems (prereq. MIS)	

Electives	
Database Systems	WEB Publishing w. HTML
Programming in JAVA	Computer Security