



## Concentration Courses

**Business Ethics** This study is designed to facilitate an understanding of philosophy of ethics and ethical decision-making process. The study emphasizes the overall philosophies, theories, and concepts of moral reasoning in making informed ethical decisions in various areas of business and business management.

**Data Communications & Networking** The purpose of this course is to provide the student with an in-depth exposure to the theoretical concepts, protocols, standards, topologies, design and problem solving techniques of data communications and computer networks. The course provides comprehensive coverage of network systems and infrastructure and helps students in planning, analyzing and implementing data communications LAN, MAN, WAN, and SDN technologies; switching, routing, and performance assessment; on-line applications and services in Internet / Extranets / Intranets; data security and computer networks management techniques. Assumptions about surrounding courses: Students should have an understanding of computers, database applications, along with a fundamental understanding of computer use in an organizational environment.

**Project Management in Info Systems** Project management requires a combination of understanding the project life cycle, organizational, behavioral, and management concerns, and project management tools. This course provides students with at least an introduction to all of these in a comprehensive, non-fragmented way, and gives them the foundation to further develop their abilities. Students will acquire project management knowledge that can be helpful in thinking about, understanding, discussing, and managing projects. This course can be individualized to explore particular contexts.

**IT for Competitive Advantage** "IT for Competitive Advantage" explores the strategic role of information technology in enhancing business competitiveness. This course examines how businesses can leverage IT to gain and sustain competitive advantages in the global market. Students will learn about the latest IT innovations and their applications in optimizing business processes, improving decision-making, and fostering innovation. Key topics include IT strategy and alignment, digital transformation, data analytics, cloud computing, cybersecurity, and emerging technologies such as artificial intelligence and blockchain. The course emphasizes the integration of IT with business strategies to drive efficiency, agility, and customer value. Through case studies, hands-on projects, and interactive discussions, students will gain practical insights into designing and implementing IT solutions that align with organizational goals. By the end of the course, students will be equipped with the knowledge and skills to harness IT for strategic advantage and business growth.

**Final Project in Info Systems** Final Project is a capstone, applied learning experience. Students work closely with the instructor on a topic of their choice to connect theory with practice and demonstrate their ability to integrate and apply the learning they have acquired over the course of their studies and experience. Depending upon the size and scope of the project, the work may be completed in one or two terms, and for differing amounts of credit. If completed in two terms, typically the first term is used for planning and research, and the second term for the final development or implementation of the project. Students should consult with their mentor and the instructor before enrolling to determine the number of credits and time needed.

**WEB Systems Development** This course explores content management and the implementation of an enterprise web system. Students will learn about the fundamental technologies enabling database-driven dynamic web sites. The course addresses content design, management, and presentation as well as various design issues involving accessibility and usability. This course is particularly suited for current information systems professionals, managers with an information systems background, and advanced students in a computer related program who wish to increase their understanding of web systems technologies.

## why choose this programme

### Highly Qualified Academic Staff

Our team comprises professors from prestigious universities with extensive experience both in Greece and internationally

### Diverse Concentrations

Choose from multiple concentrations to tailor your degree to your interests

### Exploratory First Years

Sample various courses in the first two years before selecting your concentration

### Comprehensive Education

Broaden your knowledge with a diverse General Education curriculum

### Program Flexibility

with full-time or part-time studies

### Adaptable Pathways

Change your concentration during your studies to better align with your evolving career goals



Information Systems graduates gain not only robust technical expertise but also essential managerial skills for implementing and managing modern Information Systems. They are well-prepared for careers as computer systems analysts, software engineers, IT sales professionals, computer systems managers, IT consultants, and more.



**Apply Now!**  
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info@nyc.gr, www.nyc.gr



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NYC THESSALONIKI CAMPUS  
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UNIVERSITY OF NEW YORK  
IN PRAGUE (UNYP)  
PRAGUE



**NEW YORK COLLEGE**  
THE INTERNATIONAL COLLEGE OF GREECE  
**The LEADING College**  
of University Studies in Greece:  
The ONLY Greek College with expertise in founding and  
operating Private Universities in Europe!

# Bachelor of Science (BS) INFORMATION SYSTEMS

## Empower Innovation



STATE UNIVERSITY OF NEW YORK  
**EMPIRE STATE**  
UNIVERSITY



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



The **Bachelor of Science (BS) in Information Systems** program, offered by the State University of New York - Empire State University, U.S.A. at New York College in Greece, equips students with comprehensive knowledge in programming techniques and languages, systems analysis and design, and concepts essential for the managerial use of Information Technology. Graduates will be able to analyze, implement, and manage Information Systems, focusing on both their technical and managerial aspects.

The program emphasizes understanding the business implications of IT and managing information systems to achieve a competitive advantage. Students will apply theories and principles of systems design and management to real-life business IT projects and understand the principles of ethical decision-making and their practical implications in business. This degree also prepares graduates for postgraduate studies or professional qualifications in computer systems management, software engineering, information systems analysis, and IT consultancy.

## TRANSFORM DATA INTO DECISIONS



### Programme Duration:

Full time: 4 years, Part Time: 5-6 years

### CURRICULUM

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

CRITICAL  
THINKING



DATA  
ANALYSIS



MATHEMATICS



INFORMATION  
TECHNOLOGY



COMMUNICATION  
SKILLS



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Welcome to the Bachelor of Science (BS) in Information Systems program at New York College, in partnership with the State University of New York - Empire State University, U.S.A. As the Head of Informatics, I am excited to introduce you to a program that blends rigorous technical training with strategic managerial skills.

Our curriculum is designed to prepare you for the complex and evolving field of Information Systems, equipping you with the knowledge to analyze, implement, and manage systems that drive business success. Whether you're interested in system design, IT consultancy, or managing cutting-edge technology, our program provides the foundation you need to excel and make a meaningful impact in the world of Information Systems.

**Dr Anastasios M. Liapakis**  
(PostDoc, PhD, MSc, MBA, BSc)

Head of Informatics Department New York College  
Member of British Computing Society

# STATE UNIVERSITY OF NEW YORK Empire State University, U.S.A.

The STATE UNIVERSITY OF NEW YORK is the largest university in the United States with 64 campuses and 400,000 students. Empire State University is one of the 64 colleges and universities of the STATE UNIVERSITY OF NEW YORK with approximately 20,000 students each year. STATE UNIVERSITY OF NEW YORK - Empire State University (SUNY-ESU) offers fully accredited undergraduate and graduate programs as well as professional degrees. Founded in 1971, it is internationally renowned for its flexible and innovative programs. The Department of International Programs at STATE UNIVERSITY OF NEW YORK - ESU collaborates with educational institutions around the world to serve undergraduate students. Students participate in classroom and online courses in Athens, Thessaloniki and Prague (Czech Republic).

**New York College has a franchise agreement under the Greek Ministry of Education legislation and the degree you will receive at the end of your studies is awarded by the University itself.**



Aerial view of the central administration building of the STATE UNIVERSITY OF NEW YORK in Albany, NY c.1980