INFORMATION SYSTEMS MAJOR, BS

Campus: NYC, Westchester

Major Completion Summary

Requirement	Credits
University Core Requirements	44-53
Major Requirements	64-65
Electives	2-12
Total Credits	**120**

University Core Requirements

See complete University Core (http://catalog.pace.edu/undergraduate/university-core-curriculum/) requirements.

Includes several of the major-required courses listed below:

Code	Title	Credits
Foundation Requirements		
MAT 131	Calculus I	4
CS 121	Introduction to Computer Science	4
Areas of Knowledge		
Two courses for each of the four Areas of Knowlege [1]		24

[1]   Including MAT 234 Introduction to Probability and Statistical Analysis and ECO 106 Principles of Economics: Microeconomics.

Major Requirements (64-65)

Code	Title	Credits
Information Systems Core		
CIT 211	Platform Technologies and Architecture	4
CIT 221	Global Networking Technology	4
CIT 241	Database Management	4
CIT 261	Introduction to Coding in Python	4
CIT 262	Advanced Coding in Python	4
CIT 322	Distributed Computing	4
CIT 342	Systems Design and User Experience	4
CIT 471	Information Technology Internship	4
or CIT 481	Capstone in Information Technology	
Electives		
Select three of the following:		11-12
CIT 251	Computer Security Overview	
CIT 316	Visual Basic Programming	
CIT 332	Multimedia and User Interface Design	
CIT 336	Web Scripting	
CIT 344	Project Management	
CIT 346	Database Programming	
CIT 348	Data Mining	
CIT 352	Network and Internet Security	
CIT 354	Computer Forensics	
CIT 356	Operating Systems Concepts	
Mathematics		
CS 113	Mathematical Structures for Computer Science	4
MAT 111	Elementary Calculus I [1]	(3)
MAT 234	Introduction to Probability and Statistical Analysis [1]	(4)

IS Environment		
ACC 203	Financial Accounting	4
ACC 204	Managerial Accounting	4
ECO 105	Principles of Economics: Macroeconomics	3
MGT 150	Managerial and Organizational Concepts	3
MAR 201	Principles of Marketing	3
Total Credits		**64-65**

[1]   Shared with the University Core.

Electives (2-12 Credits)

Code	Title	Credits
Electives		
Select 2-12 credits [1]		2-12
Total Credits		**2-12**

[1]   UNV 101 First-Year Seminar: Introduction to University Community is required for all new freshmen.

Note: ENG 105C Composition and Rhetoric, MAT 100 Fundamental Mathematics, and MAT 103 Algebra cannot be used towards the 120 credits for graduation