

INFORMATION TECHNOLOGY MAJOR, BS

Campus: NYC, Westchester

Major Completion Summary

Requirement	Credits
University Core Requirements	44-53
Major Requirements	37-39
Free Electives	19-30
Total Credits	120

University Core Requirements (44-53 Credits)

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 104	Finite Mathematics	3
CIT 110	Introduction to Information Technology	3
Areas of Knowledge		
Two courses for each of the four Areas of Knowledge ¹		24

¹ Including MAT 117 Elementary Statistics

Major Requirements (37-39)

Code	Title	Credits
Foundation Courses: (27 credits, including 3 credits LAS)		
CIT 110	Introduction to Information Technology	3
CIT 211	Platform Technologies and Architecture	4
CIT 221	Global Networking Technology	4
CIT 241	Database Management	4
CIT 251	Computer Security Overview	4
CIT 261	Introduction to Coding Using Python	4
CIT 471 or CIT 481	Information Technology Internship Capstone in Information Technology	4
IT Concentrations (12 Credits)		
Select one concentration		12
<i>Cybersecurity Concentration</i>		
CIT 361	Digital Forensics Overview	
CIT 352	Network and Internet Security	
CIT 356	Operating Systems Concepts	
<i>Software Development Concentration</i>		
CS 113	Mathematical Structures for Computer Science	
CIT 262	Advanced Coding in Python or CS 122	
CIT 342	Systems Design and User Experience	
<i>Data Analytics and Information Management Concentration</i>		
CIT 342	Systems Design and User Experience	
CIT 346	Database Programming	
CIT 348	Data Mining	
<i>Digital Forensics Concentration</i>		
CIT 361	Digital Forensics Overview	
CIT 363	Computer Forensics, Cyber Law and Evidence Admissibility	

CIT 365	Mobile Device Forensics
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Design a Concentration

Minimum of 3 CS, CIT, or IS courses

Examples: Networking, Artificial Intelligence, User Interface Design Requires approval of department chair

<i>Interdisciplinary Focus (9 credits)</i>
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Choose second IT Concentration or design a 3 course sequence at 200 level or higher from any discipline

Total Credits	39
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Free Electives (19-30 Credits)

Code	Title	Credits
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Free Electives

Select 19-30 credits ¹	19-30
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Total Credits	19-30
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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 .