

PROFESSIONAL TECHNOLOGY STUDIES, BS

Campus: Online

The BS in Professional Technology Studies is an accelerated degree program designed to prepare students for successful professional careers in a global economy in the midst of rapid technological change. It incorporates a concentrations in either Business Technology Leadership or Computer Forensics with courses in the liberal arts and sciences. The program is for adults who have experience in the workplace and an AS or AA degree or the equivalent (64 credits).

The BS in professional technology studies is offered through the Seidenberg School of Computer Science and Information Systems and supported by Pace Online. This department has traditionally been responsible for lending support to the adult undergraduate student, evaluating prior college-level credit, and evaluating life experience for academic credit. This program is offered through the Pace Online. This degree from Pace's Seidenberg School of Computer Sciences and Information Systems offers a concentration in Computer Forensics and Business Technology Leadership.

Major Completion Summary

Requirement	Credits
Transfer Credits	56-64
Business Technology Leadership	56-64
Computer Forensics Concentration	64
Total Credits	120

Transfer Credits (56-64 Credits)

Transfer Credit Total: 56-64

Business Technology Leadership (56-64 Credits)

Code	Title	Credits
Required Major Courses		
<i>IT Foundation</i>		<i>20</i>
CYB 201	Introduction to Cybersecurity	4
CIT 211	Platform Technologies and Architecture	4
CIT 221	Global Networking Technology	4
CIT 231	Web Authoring and Digital Media	4
CIT 241	Database Management	4
<i>Career Focus</i>		<i>20</i>
BUS 101	Contemporary Business Practice	3
CIT 344	Project Management	4
MGT 150	Managerial and Organizational Concepts	3
CIT or AIT Elective (200 or higher)		
CIT or AIT Elective (300 or higher)		
Liberal Arts and Science Electives		
Select 16 -24 credits		16 -24
Required Courses		
AIT 103	Online Seminar	1
AIT 107	Computer Applications for Telecommunications	4
ENG 110	Composition	3
ENG 120	Critical Writing	4
MAT 102	Mathematics for Life	3-4
or MAT 125	Technical Math 1	
MAT 117	Elementary Statistics	4
<i>Total Credits</i>		<i>56 - 64</i>

Computer Forensics Concentration (56-64 Credits)

Program takes 3 years to complete.

Code	Title	Credits
Computer Forensic Courses		
AIT 103	Online Seminar	1
CYB 201	Introduction to Cybersecurity	4
CIT 211	Platform Technologies and Architecture	4
CIT 221	Global Networking Technology	4
CIT 231	Web Authoring and Digital Media	4
CIT 241	Database Management	4
CIT 361	Digital Forensics Overview	4
CIT 363	Computer Forensics, Cyber Law and Evidence Admissibility	4
CIT 365	Mobile Device Forensics	4
CRJ 242	Crime and Public Policy	3
CRJ 346	Terrorism and Society	3
Arts and Science Electives		16 -21
Recommended Liberal Arts Electives		
HIS 113W	The American Experience: Wealth and American Culture	
PSY 201	Psychology of Business and Industry	
PSY 243	Applied Social Psychology	
SCI 230	Environmental Science	
SPA 154A	Topic: Hispanic Literature in Translation: L.A. Culture and Literature	
<i>Required Courses</i>		
AIT 107	Computer Applications for Telecommunications	4
ENG 110	Composition	3
ENG 120	Critical Writing	4
MAT 102	Mathematics for Life	3-4
or MAT 125	Technical Math 1	
<i>Total Credits</i>		<i>60</i>

Telecommunications (56-64 Credits)

Code	Title	Credits
AIT 109	Global Telecommunications Essentials	4
AIT 111	AC/DC Electrical Circuits for Telecommunications	4
AIT 235	Telecommunications II: Signal Transmissions for Telecommunications	4
AIT 381	Emerging Broadband Technologies	4
AIT 382	Voice Over Internet Protocol Technologies	4
AIT 371	Fiber Optics	4
AIT 383	Emerging Wireless Technologies	4
CIT 221	Global Networking Technology	4
CIT 211	Platform Technologies and Architecture	4
CIT 252	Overview of Network and Internet Security	3
IT 603	Overview of Information Security	3
or IT 605	Database Management Systems	
or IT 607	Systems Development and Project Management	
Liberal Arts and Science Electives		
Select 34 credits		34
Required Courses		
AIT 103	Online Seminar	1
AIT 107	Computer Applications for Telecommunications	4
ENG 120	Critical Writing	4

MAT 125	Technical Math 1	4
General Electives		
Select 23 credits		23

Business Technology Leadership

Course	Title	Credits
First Year		
Fall		
AIT 103	Online Seminar	1
AIT 107	Computer Applications for Telecommunications	4
ENG 120	Critical Writing	4
Credits		9
Spring		
MAT 102 or MAT 125	Mathematics for Life or Technical Math 1	3-4
MGT 150	Managerial and Organizational Concepts	3
Credits		6-7
Summer		
CIT 211	Platform Technologies and Architecture	4
Arts and Sciences Elective		4
Credits		8
Second Year		
Fall		
CYB 201	Introduction to Cybersecurity	4
CIT or AIT Elective (200 level or higher)		4
Credits		8
Spring		
CIT 231	Web Authoring and Digital Media	4
CIT 241	Database Management	4
Business Elective		3
Credits		11
Summer		
MAT 117	Elementary Statistics	4
CIT or AIT Elective (300 level or higher)		4
Credits		8
Third Year		
Fall		
CIT 344	Project Management	4
BUS 101	Contemporary Business Practice	3
Credits		7
Total Credits		57-58

Computer Forensics

Course	Title	Credits
First Year		
Fall		
AIT 103	Online Seminar	1
AIT 107	Computer Applications for Telecommunications	4
MAT 102	Mathematics for Life	3-4
Credits		8-9
Spring		
CIT 211	Platform Technologies and Architecture	4

Elective		3
Credits		7
Summer		
CIT 221	Global Networking Technology	4
Elective		3
Credits		7
Second Year		
Fall		
CYB 201	Introduction to Cybersecurity	4
CRJ 242	Crime and Public Policy	3
or any 200-level CRJ Course		
Arts and Science Elective		3
Credits		10
Spring		
CIT 361	Digital Forensics Overview	4
CIT 231	Web Authoring and Digital Media	4
Credits		8
Summer		
CIT 363	Computer Forensics, Cyber Law and Evidence Admissibility	4
Elective		3
Credits		7
Third Year		
Fall		
CIT 365	Mobile Device Forensics	4
Elective		3
Credits		7
Spring		
CIT 241	Database Management	4
CRJ 346	Terrorism and Society	3
or CRJ 300		or Homeland Security Strategies
Credits		7
Total Credits		61-62

Telecommunications

Course	Title	Credits
First Year		
Fall		
AIT 103	Online Seminar	1
AIT 107	Computer Applications for Telecommunications	4
ENG 120	Critical Writing	4
Credits		9
Spring		
MAT 125	Technical Math 1	4
Arts and Sciences Elective		4
AIT 109	Global Telecommunications Essentials	4
Credits		12
Summer		
CIT 221	Global Networking Technology	4
Arts and Sciences Elective		4
Credits		8

Second Year**Fall**

Arts and Sciences Elective		4
CIT 211	Platform Technologies and Architecture	4
Credits		8

Spring

AIT 111	AC/DC Electrical Circuits for Telecommunications	4
Major Elective Course (AIT, CIT, or TS)		4
Credits		8

Summer

Major Elective Course (AIT, CIT, or TS)		4
CIT 252	Overview of Network and Internet Security	3
Credits		7

Third Year**Fall**

Arts and Sciences Elective		4
Arts and Sciences Elective		4
General Elective		4
AIT 235	Telecommunications II: Signal Transmissions for Telecommunications	4
Credits		16

Spring

AIT 381	Emerging Broadband Technologies	4
AIT 383	Emerging Wireless Technologies	4
Arts and Sciences Elective		4
Credits		12

Summer

AIT 382	Voice Over Internet Protocol Technologies	4
Arts and Sciences Elective		4
Credits		8

Fourth Year**Fall**

AIT 371	Fiber Optics	4
IT 603 or IT 605 or IT 607	Overview of Information Security or Database Management Systems or Systems Development and Project Management	3
General Elective		3
Credits		10

Spring

General Elective		4
General Elective		4
General Elective		4
Credits		12

Summer

Arts and Sciences Elective		3
Arts and Sciences Elective		3
General Elective		4
Credits		10
Total Credits		120