

APPLIED INFORMATION TECHNOLOGY, AS

Campus: Online

Major Completion Summary

For further information about the Associate Degree in Applied Information Technology please visit the website (<https://nactel.pace.edu/as-program-description/>).

Requirement	Credits
Required Foundation/Core Courses	13
General Education	16
Major Requirements	19-20
Concentration	12
Open Electives	4-5
Total	64

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		
CIT 211	Platform Technologies and Architecture	4
Arts and Sciences Elective		4
Credits		8
Spring		
AIT 111	AC/DC Electrical Circuits for Telecommunications	4
General Elective		4
CIT 251	Computer Security Overview	4
Credits		12
Third Year		
Fall		
ENG 201	Writing in the Disciplines	3
AIT 235	Telecommunications II: Signal Transmissions for Telecommunications	4
Credits		7
Spring		
AIT or CIT or TS Major Elective		4

Arts and Sciences Elective	4
Credits	8
Total Credits	64

Cybersecurity

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		3
AIT 109	Global Telecommunications Essentials	4
Credits		11
Summer		
MAT 117	Elementary Statistics	4
CIT 261	Introduction to Coding Using Python	4
Credits		8
Second Year		
Fall		
CIT 211	Platform Technologies and Architecture	4
Arts and Sciences Elective		4
Credits		8
Spring		
AIT 235	Telecommunications II: Signal Transmissions for Telecommunications	4
CIT 251	Computer Security Overview	4
Credits		8
Summer		
CIT 221	Global Networking Technology	4
CIT 254	Overview of Computer Forensics	3
Credits		7
Third Year		
Fall		
Arts and Sciences Elective		4
Arts and Sciences Elective		4
Credits		8
Spring		
General Elective		2
CIT 252	Overview of Network and Internet Security	3
Credits		5
Total Credits		64

Mobile Technologies

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
ENG 201	Writing in the Disciplines	3
Credits		7
Second Year		
Fall		
AIT 235	Telecommunications II: Signal Transmissions for Telecommunications	4
AIT 263	Mobile Technology	4
Credits		8
Spring		
AIT 111	AC/DC Electrical Circuits for Telecommunications	4
CIT 251	Computer Security Overview	4
Credits		8
Summer		
AIT or CIT or TS Major Elective		4
Arts and Sciences Elective		4
Credits		8
Third Year		
Fall		
Arts and Sciences Elective		4
Arts and Sciences Elective		4
General Elective		4
Credits		12
Total Credits		64

Networking

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
ENG 201	Writing in the Disciplines	3
Credits		7
Second Year		
Fall		
AIT 235	Telecommunications II: Signal Transmissions for Telecommunications	4

CIT 211	Platform Technologies and Architecture	4
Credits		8
Spring		
AIT 111	AC/DC Electrical Circuits for Telecommunications	4
CIT 251	Computer Security Overview	4
Credits		8
Summer		
AIT or CIT or TS Major Elective		4
Arts and Sciences Elective		4
Credits		8
Third Year		
Fall		
Arts and Sciences Elective		4
Arts and Sciences Elective		4
General Elective		4
Credits		12
Total Credits		64

Wireless Networking Essentials

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
ENG 201	Writing in the Disciplines	3
Credits		7
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
CIT 251	Computer Security Overview	4
Credits		8
Summer		
AIT or CIT or TS Major Elective		4
AIT 233	Wireless LANs	4
Credits		8
Third Year		
Fall		
Arts and Sciences Elective		4
Arts and Sciences Elective		4

General Elective		4
	Credits	12
	Total Credits	64