

# 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
<b>Total</b>	<b>64</b>

## Telecommunications

Course	Title	Credits
<b>First Year</b>		
<b>Fall</b>		
AIT 103	Online Seminar	1
AIT 107	Computer Applications for Telecommunications	4
ENG 120	Critical Writing	4
<b>Credits</b>		<b>9</b>
<b>Spring</b>		
MAT 125	Technical Math 1	4
Arts and Sciences Elective		4
AIT 109	Global Telecommunications Essentials	4
<b>Credits</b>		<b>12</b>
<b>Summer</b>		
CIT 221	Global Networking Technology	4
Arts and Sciences Elective		4
<b>Credits</b>		<b>8</b>
<b>Second Year</b>		
<b>Fall</b>		
CIT 211	Platform Technologies and Architecture	4
Arts and Sciences Elective		4
<b>Credits</b>		<b>8</b>
<b>Spring</b>		
AIT 111	AC/DC Electrical Circuits for Telecommunications	4
General Elective		4
CIT 251	Computer Security Overview	4
<b>Credits</b>		<b>12</b>
<b>Third Year</b>		
<b>Fall</b>		
ENG 201	Writing in the Disciplines	3
AIT 235	Telecommunications II: Signal Transmissions for Telecommunications	4
<b>Credits</b>		<b>7</b>
<b>Spring</b>		
AIT or CIT or TS Major Elective		4

Arts and Sciences Elective	4
<b>Credits</b>	<b>8</b>
<b>Total Credits</b>	<b>64</b>

## Cybersecurity

Course	Title	Credits
<b>First Year</b>		
<b>Fall</b>		
AIT 103	Online Seminar	1
AIT 107	Computer Applications for Telecommunications	4
ENG 120	Critical Writing	4
<b>Credits</b>		<b>9</b>
<b>Spring</b>		
MAT 125	Technical Math 1	4
Arts and Sciences Elective		3
AIT 109	Global Telecommunications Essentials	4
<b>Credits</b>		<b>11</b>
<b>Summer</b>		
MAT 117	Elementary Statistics	4
CIT 261	Introduction to Coding Using Python	4
<b>Credits</b>		<b>8</b>
<b>Second Year</b>		
<b>Fall</b>		
CIT 211	Platform Technologies and Architecture	4
Arts and Sciences Elective		4
<b>Credits</b>		<b>8</b>
<b>Spring</b>		
AIT 235	Telecommunications II: Signal Transmissions for Telecommunications	4
CIT 251	Computer Security Overview	4
<b>Credits</b>		<b>8</b>
<b>Summer</b>		
CIT 221	Global Networking Technology	4
CIT 254	Overview of Computer Forensics	3
<b>Credits</b>		<b>7</b>
<b>Third Year</b>		
<b>Fall</b>		
Arts and Sciences Elective		4
Arts and Sciences Elective		4
<b>Credits</b>		<b>8</b>
<b>Spring</b>		
General Elective		2
CIT 252	Overview of Network and Internet Security	3
<b>Credits</b>		<b>5</b>
<b>Total Credits</b>		<b>64</b>

## Mobile Technologies

Course	Title	Credits
<b>First Year</b>		
<b>Fall</b>		
AIT 103	Online Seminar	1
AIT 107	Computer Applications for Telecommunications	4

ENG 120	Critical Writing	4
<b>Credits</b>		<b>9</b>
<b>Spring</b>		
MAT 125	Technical Math 1	4
Arts and Sciences Elective		4
AIT 109	Global Telecommunications Essentials	4
<b>Credits</b>		<b>12</b>
<b>Summer</b>		
CIT 221	Global Networking Technology	4
ENG 201	Writing in the Disciplines	3
<b>Credits</b>		<b>7</b>
<b>Second Year</b>		
<b>Fall</b>		
AIT 235	Telecommunications II: Signal Transmissions for Telecommunications	4
AIT 263	Mobile Technology	4
<b>Credits</b>		<b>8</b>
<b>Spring</b>		
AIT 111	AC/DC Electrical Circuits for Telecommunications	4
CIT 251	Computer Security Overview	4
<b>Credits</b>		<b>8</b>
<b>Summer</b>		
AIT or CIT or TS Major Elective		4
Arts and Sciences Elective		4
<b>Credits</b>		<b>8</b>
<b>Third Year</b>		
<b>Fall</b>		
Arts and Sciences Elective		4
Arts and Sciences Elective		4
General Elective		4
<b>Credits</b>		<b>12</b>
<b>Total Credits</b>		<b>64</b>

## Networking

Course	Title	Credits
<b>First Year</b>		
<b>Fall</b>		
AIT 103	Online Seminar	1
AIT 107	Computer Applications for Telecommunications	4
ENG 120	Critical Writing	4
<b>Credits</b>		<b>9</b>
<b>Spring</b>		
MAT 125	Technical Math 1	4
Arts and Sciences Elective		4
AIT 109	Global Telecommunications Essentials	4
<b>Credits</b>		<b>12</b>
<b>Summer</b>		
CIT 221	Global Networking Technology	4
ENG 201	Writing in the Disciplines	3
<b>Credits</b>		<b>7</b>
<b>Second Year</b>		
<b>Fall</b>		
AIT 235	Telecommunications II: Signal Transmissions for Telecommunications	4

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

## Wireless Networking Essentials

Course	Title	Credits
<b>First Year</b>		
<b>Fall</b>		
AIT 103	Online Seminar	1
AIT 107	Computer Applications for Telecommunications	4
ENG 120	Critical Writing	4
<b>Credits</b>		<b>9</b>
<b>Spring</b>		
MAT 125	Technical Math 1	4
Arts and Sciences Elective		4
AIT 109	Global Telecommunications Essentials	4
<b>Credits</b>		<b>12</b>
<b>Summer</b>		
CIT 221	Global Networking Technology	4
ENG 201	Writing in the Disciplines	3
<b>Credits</b>		<b>7</b>
<b>Second Year</b>		
<b>Fall</b>		
Arts and Sciences Elective		4
CIT 211	Platform Technologies and Architecture	4
<b>Credits</b>		<b>8</b>
<b>Spring</b>		
AIT 111	AC/DC Electrical Circuits for Telecommunications	4
CIT 251	Computer Security Overview	4
<b>Credits</b>		<b>8</b>
<b>Summer</b>		
AIT or CIT or TS Major Elective		4
AIT 233	Wireless LANs	4
<b>Credits</b>		<b>8</b>
<b>Third Year</b>		
<b>Fall</b>		
Arts and Sciences Elective		4
Arts and Sciences Elective		4

General Elective		4
	<b>Credits</b>	<b>12</b>
	<b>Total Credits</b>	<b>64</b>