

NACTEL/Pace University Technical Badges

Badging unbundles the skills and competencies earned in credit-bearing courses and allows the badge earner to connect their learning to immediate job opportunities through social media. Using the Credly badging platform, Pace University and NACTEL have designed high-tech badges using existing credit-bearing courses that match the skill and competencies needed by the telecom industry. The Credly platform connects the learning outcomes of each badge with career opportunities.

Badges in Telecom Technical Skills

Telecom Technical Skills Digital Badges are a quick way to acquire telecom skills and build credit toward earning a degree. As a NACTEL Badging student you can choose to earn one or more Badges. To qualify for a Badge you must:

- Successfully complete maintain a 2.0 QPA overall.
- Successfully complete all but 4 credits of the badging courses with Pace University (meaning you can only transfer one equivalent course from another institution or Prior Learning experience while you are a badging student) and maintain a 2.0 QPA within these core classes.
- Students will complete the Badge Application found in the Student Information Center when they have completed all of the courses to earn that Credly Badge.
- Because badging courses are offered at a special rate, you can only take badging courses while badging. When you want to apply your badging courses to your degree, contact your advisor at Nactel_support@pace.edu.

*A maximum of four credits transfer or Prior Learning credits can be applied to badge courses. Upon completion of the badge requirements, you must complete and submit an Application for Badge. The Application for a Badge may be found on the Forms page within the [Student Information Center](#). Also, depending on whether [you choose to take assessments](#) and the results of those assessments, as well as other program requirements - you may be required to take some foundation courses before registering for any courses specific to a badge.

Level 1 Badge: Telecom Essentials

The Level 1: Telecom Essentials Badge (8 Credits) is designed to provide you with entry-level knowledge of the telecommunications industry. This badge is required to move on to Level 2 or 3 badges. You may apply for this badge after completing the required courses regardless of whether or not you choose to continue on and earn your [Associate of Science in Applied Information Technology, Telecommunications Degree](#). If you want additional information, please [contact us](#).

Level 1	Telecom Essentials Badge*	Credits	Required /Elective
AIT107	Computer Applications	4	R
AIT109	Global Telecom Essentials	4	R

* Not every course will be offered every term.

Level 2 Badge: Telecom Core

The Level 2 Badge: Telecom Core (12 credits) is designed to provide you with basic knowledge of the electronics needed for a complete understanding of the telecommunications industry. You may apply for this badge after completing the required courses regardless of whether or not you choose to continue on and earn your [Associate of Science in Applied Information Technology, Telecommunications Degree](#). If you want additional information, please [contact us](#).

Level 2	Telecom Core Badge*	Credits	Required /Elective
MAT125	Technical Math I	4	R
AIT111	AC/DC Electrical Circuits	4	R
CIT211	Introduction to Computer System Hardware	4	R

* Not every course will be offered every term.

Level 2 Badge: IT Core

This badge introduces the students to the core IT skills (8 credits) needed to work with intermediate networking and security systems. Upon completing this badges, the student can compete for intermediate positions in the networking and security. If you want additional information, please [contact us](#).

Level 2	IT Core Badge*	Credits	Required /Elective
CIT251	Computer Security Overview	4	R
CIT221	Global Networking Technology	4	R

* Not every course will be offered every term.

The credits earned in the IT Core Badge can be applied to the [AS in Applied Information Technology Degree: Telecom or Networking Technologies Track](#).

Level 2 Badge: IT Skills

This badge introduces the students to intermediate concepts and applications that provide you with the production level skills for the workplace. This six credit intermediate badge supports the skills needs for more advanced badges. If you want additional information, please [contact us](#).

Level 2	IT Skills Badge*	Credits	Required /Elective
CS 199 H	Topic: Unix Fundamentals	1	R
CIS102N	Topic Intro to Project Management	1	R
CIT122	Advanced Spreadsheets Skills	2	R
CIS133	Social Media Applications	2	R

* Not every course will be offered every term.

Level 3: Telecom Technologies

This badge introduces the students to intermediate concepts and applications of Mobile technologies. This is an intermediate badge program and the Introduction to Telecommunications Badge has to be completed prior to taking this badge. If you want additional information, please [contact us](#).

Level 3	Telecom Technologies Badge*	Credits	Required /Elective
AIT383	Emerging Wireless Technologies	4	R
AIT371	Fiber Optics	4	R
AIT381	Emerging Broadband Technologies	4	R
AIT382	Voice over IP Technologies	4	R

* Not every course will be offered every term.

The credits earned Telecom Technologies Badge can be applied to the [BS Degree in Telecom](#).

Level 3 Badge: Networking Technologies

This badge provides and advance study of networking concepts, including math, computing, communication, and software designed networking and cloud computing and advanced security. Upon completing this badge, the student can compete for entry-level technical positions. If you want additional information, please [contact us](#).

Course	Networking Technologies*	Credits	Required /Elective
CIT223	Introduction to Software Defined Networking	4	R
CIT224	Cloud Computing	4	R
CIT252	Overview of Network and Internet Security	4	R

* Not every course will be offered every term.

The credits earned in the networking technologies badge can be applied to the [AS in Applied Information Technology Degree: Networking Technologies Track](#).

Level 3 Badge: Data Analytics

This badge introduces the students to intermediate data analytics concepts, including python programming, database, statistical analyses. Upon completing this badge, the student can compete for intermediate and advanced positions in the telecommunications industry. If you want additional information, please [contact us](#).

You must select one of the two elective courses for a total of 12 credits.

Level 3	Data Analytics*	Credits	Required /Elective
CIT 201	Introduction to Programming Using Python	4	R
CIT241	Database Management	4	R
MAT117	Elementary Statistics	4	R

Note: Pre-screens, prerequisites and the Orientation to Online Learning (Online Seminar) are required for students taking single courses and/or the badging programs.

How do I sign up for a badging program?

If you are a new NACTEL student, you will need to apply to the badging program as a non-matriculated university student by completing the application for badges at this site:

<https://support.csis.pace.edu/NACTEL/studentapplication/>

If you are a former NACTEL student and want to return to the NACTEL program as a badging student, please contact your advisor at Nactel_support@pace.edu