Telecommunications Engineering Student Achievement

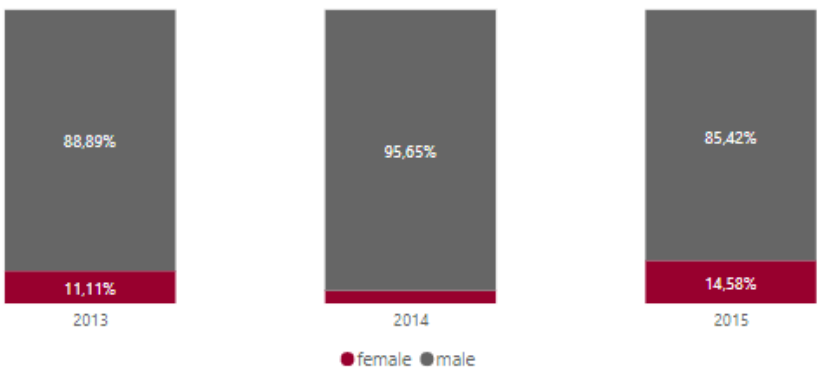
Degree Profile for the Telecommunications Engineering program

The Telecommunications Engineer from UDLA is a competent, enterprising professional with an international/global vision, capable of developing telecommunications systems projects through an integral knowledge of the processing, transmission, and reception of information, by guided and wireless means, to meet the communication needs of users and organizations, based on excellence, ethics, and social commitment.

The UDLA Telecommunications Engineer designs, implements, and optimizes telecommunications systems and technological innovation on the basis of the transmission media and transmitter and receiver devices. He/she calibrates access and transport networks, both fixed and mobile, based on traffic parameters associated with the operation of voice, data, audio, and video services, under the national regulatory framework and in line with international standards. He/she optimizes network and service resources through the use of tools and technologies for project management and telecommunications networks.

The Engineer in Telecommunications from UDLA is expected to continue with his/her academic training, to apply the current legal framework, to use his knowledge of integral education in a responsible manner, and to commit himself to the development of the country.

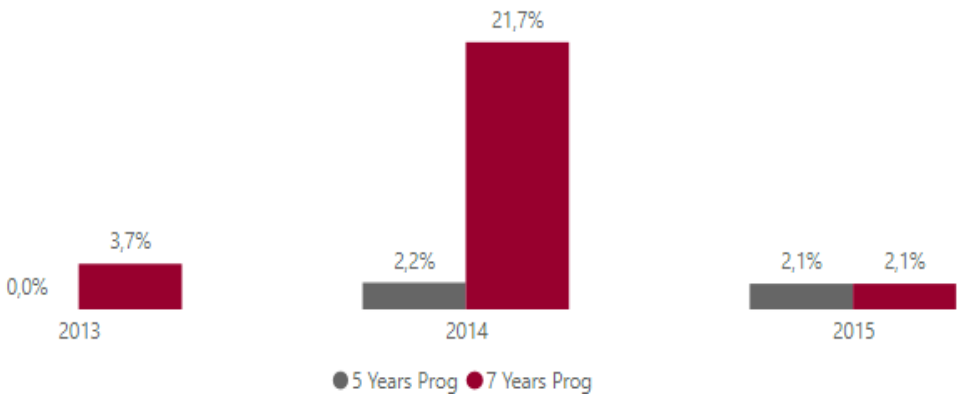
GRADUATION BY GENDER



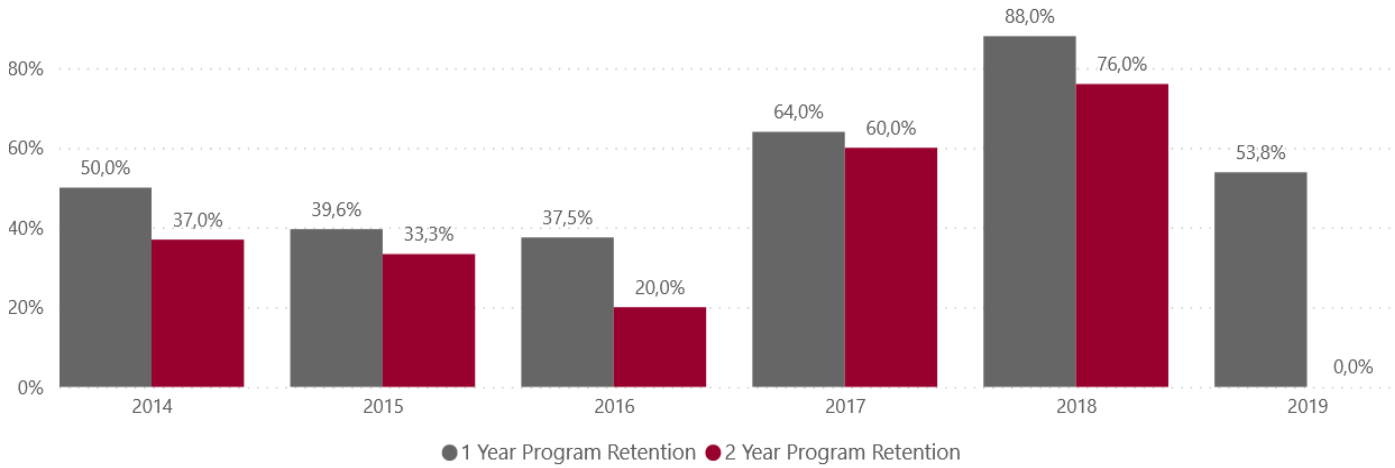
Retention and graduation rates are calculated through the 2019- 2020 academic year, based on new, first-time students entering in the fall semester, regardless of whether they enroll in the daytime or evening version of their program (if available). These rates do not consider incoming transfer students.

The duration of the Telecommunications Engineer program has historically been 5 years (10 semesters). Nevertheless, until Fall 2015, students had to first complete all coursework and then the capstone, which extended the time required to finish the program by at least one semester. Therefore, the graduation rate is calculated according to a duration of 5 years and 150% of that amount. The percentage of graduates in each cohort by gender considers only actual graduates, not the original makeup of the cohort

GRADUATION



RETENTION



Program Learning Outcomes

In every semester, the program provides assessment results according to its Multiannual Assessment Plan (MAP), which typically considers one or more of its program learning outcomes (PLOs). Most programs utilize the platform Brightspace to collect and assess student work and to present the data and evidence of student achievement. These results and their analysis, with the objective of identifying areas for improvement, are presented in the program's annual assessment report.

In the graphic below, the most recent period in which a PLO has been assessed is indicated, with the percentage indicating achievement of the expected performance standard for that PLO, according to the rubric used to evaluate the student work. This standard can be designated at an introductory, intermediate, or final level, depending upon how the course learning outcomes (CLOs) align to each PLO in the program's curriculum map.

A graduate of the Telecommunications Engineering program will be able to:

1. Solve problems and requirements for technological innovation in the telecommunications sector on the basis of physical, mathematical, and electronic foundations.
2. Design and implement telecommunications systems complying with the national regulatory framework and with international standards.
3. Calibrate access and transport networks on the basis of the traffic parameters associated with the operation of telecommunications services.
4. Optimize resources of telecommunications networks and services through the use of the methods and tools of Information and Communication Technologies.
5. Manage telecommunications projects through administrative tools.