

# Sound and Acoustics Engineering Student Achievement

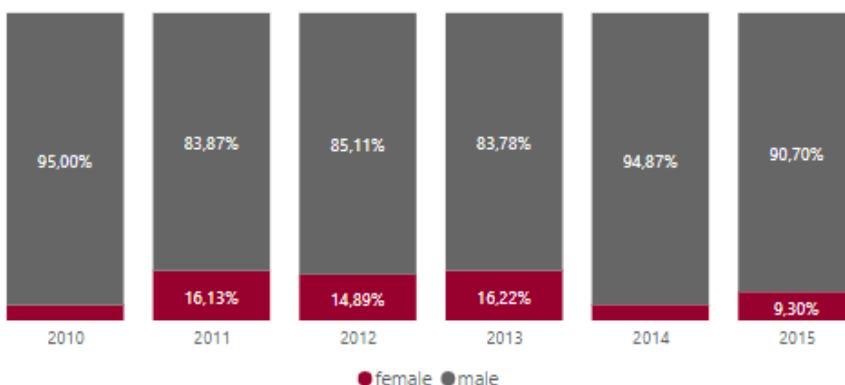
## Degree Profile for the Sound and Acoustics Engineering program

The Sound and Acoustics Engineer from UDLA is a competent, enterprising professional with an international/global vision, committed to social welfare, aware of his cultural identity, and able to maintain a critical position in the face of national and international reality.

The UDLA Sound and Acoustics Engineer designs and implements solutions focused on electroacoustic channels, as well as auditorily healthy and comfortable spaces. He/she uses the technological resources of recording, sound reinforcement, acoustic instrumentation, simulation tools, and programming. He/she manages acoustic and sound engineering projects, approaching the stages of planning, operation, and evaluation through the realization of different types of research to optimize products, services, or processes, working autonomously and/or in multidisciplinary teams with innovation capacity, entrepreneurship, and effective communication.

The Engineer in Sound and Acoustics from UDLA is expected to be a professional who acts with ethical values for the benefit of society and the environment, with respect for the current legal framework and committed to the development of the country.

### GRADUATION BY GENDER



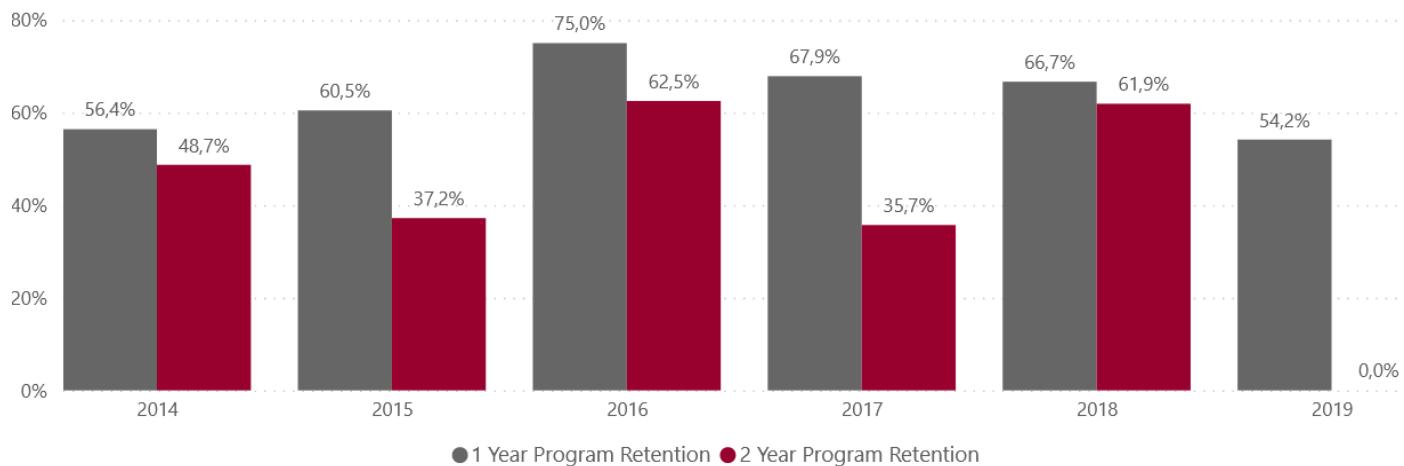
Retention and graduation rates are calculated through the 2019- 2020 academic year, based on new, first-time students entering in the fall semester, regardless of whether they enroll in the daytime or evening version of their program (if available). These rates do not consider incoming transfer students.

The duration of the Sound and Acoustics 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 Sound and Acoustics Engineering program will be able to:

1. Create sound productions focused on the record and audiovisual industry in line with technical-artistic criteria.
2. Design sound engineering projects for different installations, events, or acoustically comfortable architectural spaces, using electroacoustic chains, isolation criteria, and acoustic conditioning.
3. Evaluate noise sources and acoustic quality parameters through simulations and acoustic tests.
4. Integrate solutions focused on the control of noise and vibrations in industry, the environment, and buildings.
5. Manage acoustic projects, using administrative tools for the control of resources and interpreting indicators of economic analysis.
6. Apply research methods for the development of acoustic engineering studies.

