

UNIVERSIDAD NACIONAL DE INGENIERÍA

Mathematics Program

Educational Objectives

The Program Educational Objectives have been formulated taking into account constituency needs and expectations, in order to provide students with an outstanding scientific/technical education that allows them to achieve a fruitful and rewarding professional practice in a highly demanding workplace. The Educational Objectives have been defined so that the graduates of the Mathematics Program:

1. Scientific and Technical Competence

Demonstrate a solid scientific and technical competence for applying mathematical principles and tools for analyzing, modeling and simulating different types of systems, generating new mathematical knowledge, techniques and applications, as well as teaching mathematics at advanced levels.

2. Adaptability and Achievement

Work and interact at the different levels of a Mathematics scientific or technical project, attaining proposed goals, and advancing in their field of professional development.

3. Leadership and Commitment

Communicate effectively and participate proactively in multidisciplinary teams performing as leaders or active members with an attitude toward the achievement of objectives.

4. Professionalism

Conduct themselves correctly respecting the standards and ethical principles of the profession, and projecting themselves as responsible citizens and professionals.

5. Continuing Education

Develop a continuous learning and training, assimilating the changes and advances in the profession, and completing specialization and postgraduate studies.