

# Collegio Carlo Alberto Vilfredo Pareto PhD in Economics

The Vilfredo Pareto PhD in Economics allows students to structure their coursework and write their doctoral dissertation in a number of different areas of economics. After a common set of core courses that take place in the first semester of the program (including review courses in mathematics and statistics and advanced courses in microeconomics, macroeconomics, and econometrics), students can further prepare for their dissertation work by choosing from a list of elective courses. The latter are organized to form three different curricula.

## Economics

This curriculum aims to endow students with relevant skills and knowledge both in theoretical and empirical economics. Graduates will then be in the position to pursue an academic career, as well as working as economists in the private sector, governments, central banks and international organizations.

**ELECTIVE COURSES INCLUDE AMONG OTHERS:**

**Applied Economics / Development Economics / Game Theory / Labour Economics / Political Economics**

## Theoretical Economics, Finance & Statistics

The aim of this curriculum is to equip students with a deep understanding of the basic tools of decision theory and in some of its many areas of application. In particular, graduates will be able to successfully employ theoretical instruments to analyze questions in Finance, Insurance, or other areas of Economics.

**ELECTIVE COURSES INCLUDE AMONG OTHERS:**

**Financial Economics / Decision Theory / Probability Theory / Stochastic Calculus / Measure Theory**

## Economics & Complexity

This curriculum combines the achievements of complexity theory and economic analysis to articulate a comprehensive economics of complexity. In their dissertation work students may adopt agent based simulation methodologies, econometric analysis, historical and institutional approaches.

**ELECTIVE COURSES INCLUDE AMONG OTHERS:**

**History of Economic Thought / Simulation Models / Economics of Innovation / Economics of Complexity / Machine Learning and Coding**

## FACULTY

The Faculty of the Program includes Professors from the University of Torino and the Collegio Carlo Alberto.

The list of Faculty members is available at the following link: [www.phdpareto.carloalberto.org/phd-faculty](http://www.phdpareto.carloalberto.org/phd-faculty).

## KEY FEATURES

- Full scholarship (48 months) and mission funds for admitted students.
- Close interaction with the academic community of the Collegio Carlo Alberto.
- Linked to top European and US research institutions and networks.

**Expressions of interest for the next round of admissions (cycle 37) are now open. The official call will be released in Spring 2021. Courses will start in early September 2021.**

