

Ph.D. Program in Mathematics

Facultad de Ciencias Físicas y Matemáticas
Universidad de Concepción

5 de septiembre de 2023

CFM FACULTAD
DE CIENCIAS FÍSICAS
Y MATEMÁTICAS



General Information

- It is a Program of Facultad de Ciencias Físicas y Matemáticas of Universidad de Concepción which depends on the [Department of Mathematics](#) with the collaboration of Professors from other Departments of the Faculty.
- Creation: 2008
- Director: Michela Artebani (martebani@udec.cl)
- Secretary: Micaela Avila (micaavila@udec.cl)
- [Website](#)

Objective

Train researchers who can:

- Propose and develop autonomously scientific research recognized as an original contribution in the areas of Mathematics.
- Communicate knowledge in Mathematics in academic contexts.

Some features of the Program

- Continuously accredited by CNA since 2010, the last time in 2018 for 6 years.
- 13 graduated students from different countries;
- Academic body composed of 14 academics, from the Department of Mathematics and the Department of Mathematical Engineering, and several visiting professors.
- Three main research lines: Analysis, Algebra and Geometry, Logic and Number Theory.
- Access to ANID national doctoral scholarships.
- Access to UdeC tuition and/or stipend scholarships.
- Support from Dirección de Postgrado for conference attendance and stays.

Curriculum

Semester 1.

- Analysis (10 SCT credits)
- Algebra (10 SCT credits)
- Geometry and Topology (10 SCT credits)

Semester 2.

- Qualifying exam (10 SCT credits)
- Specialization subjects (10+10 SCT credits)

Semester 3.

- Thesis Project Seminar (20 SCT credits)
- Thesis Project Defense
- Complementary courses (8 SCT credits)
- English exam.

Semesters 4, 5, 6, 7, and 8. Thesis work (30 SCT credits)

Semester 8. Degree exam.

Application

Applicant requirements:

- Degree of Bachelor or Master in Mathematics, or equivalent.
- Inclination for abstract thinking and for solving Mathematical problems.

Application

Applications to enter the Program in the first semester of 2024 (starting in March 2024) **opened on September 4th 2023** and the **deadline is October 1st 2023** (see [here](#)).

Application

- Stage I: Register on the [website](#) of Dirección de Postgrado of Universidad de Concepción.
- Stage II: Send the documentation indicated [here](#) to the Program Director.
- Motivation letter (Why a PhD in Mathematics? Why at UdeC? Which research lines are of interest to you? Any research experience?).
- Stage III: Take an admission exam.
- Stage IV: Once accepted, send the documentation indicated [here](#) to postulacionesdp@udec.cl.