

About the Graduate Program in Chemistry/ PPGQ

The Graduate Program in Chemistry (PPGQ) of UFSCar started its activities in 1980. Nowadays, PPGQ has two Master's Programs (Academic and Professional) and one Doctorate Program.

ACADEMIC MASTER'S DEGREE: The academic Master's degree course started in the second semester of 1980, with two areas of concentration: Physical Chemistry and Organic Chemistry. At the time, the PPGQ had eight professors and two students, with a minimum desirable infrastructure. The first three Master's Thesis were defended in 1984 (two in the area of Physical Chemistry and one in Organic Chemistry area). In the second semester of 1984, a third area of concentration was implemented: Inorganic Chemistry. The area of concentration in Analytical Chemistry was implemented in the second semester of 1992. In the first semester of 2000, a general concentration area, called Chemistry, was created. At the end of the 2nd half of 2016, 662 dissertations had been defended and approved, 662 Master's Thesis had already been defended and approved. (Find more information about Academic Master's Thesis in "Informative resource: [academic Master's thesis defended](#)").

PROFESSIONAL MASTER'S DEGREE: The professional Master's degree course started in 2008 with two modalities: Chemistry Education and Technological Chemistry. This course aims to attract professionals working in educational institutions and companies, respectively, and provide a deepening of training in chemistry that will benefit the professional's performance. At the end of the 2nd half of 2016, 68 dissertations had been defended and approved. (Find more information about Professional Master's Thesis in "Informative resource: [professional Master's thesis defended](#)").

DOCTORATE COURSE: The Doctorate course started in 1987, also with two areas of concentration: Physical Chemistry and Organic Chemistry, the result of an evolution of the Master's degree course. The first three dissertations were defended in 1990 (in the area of Organic Chemistry). In the second semester of 1992, a third area of concentration was implemented: Analytical Chemistry, and the Inorganic Chemistry area was implemented in 1998. In the first semester of 2000, a general concentration area, called Chemistry, was created. At the end of the 2nd half of 2016, 629 theses had been defended and approved. Find more information about Dissertations defended in "[Informative resource: dissertations defended](#)").

OBJECTIVES

The Graduate Program in Chemistry (PPGQ) of the Center of Exact Sciences and Technology at Federal University of São Carlos (UFSCar) has the purpose of the formation of human resources for teaching, scientific and technological research, entrepreneurship and other related activities, through

courses of Academic, Professional Master's degree and Doctorate degree open to undergraduate diploma holders who meet the requirements of these Internal Regulations.

The Academic Master's Degree aims at offering to graduate students the conditions for the development of studies that enable them to Master's the essential conceptual and methodological tools in their area, qualifying them as researchers and higher education professors, through research and teaching.

The Professional Master's Degree aims at offering to graduate students the conditions to develop a professional practice, through the incorporation of the scientific method and the application of the knowledge of new techniques and processes.

The Doctorate Degree Course aims at deepening the objectives of the Academic Master's Degree and the production by the doctorate student of a research work that represents a real, original and creative contribution in the respective area of knowledge and that demonstrates its qualification to train personnel in the Master's and PhD levels.

PPGQ embraces *stricto sensu* graduate activities, through courses of Academic Master's, Professional Master's and Doctorate Degree Course, subject to the General Regulations of Graduate Programs at UFSCar.

The Academic Master's degree and Doctorate degree comprise five areas of concentration: Chemistry, Physical Chemistry, Analytical Chemistry, Inorganic Chemistry and Organic Chemistry. The Professional Master's course comprises two areas of concentration: Technological Chemistry and Chemistry Education.

The creation of new areas of concentration in the courses, proposed by interested professors, should be analyzed and approved by PPGQ Graduate Committee.