

COMPLEX SYSTEMS CHEMISTRY
**INTERNATIONAL
GRADUATE SCHOOL**
UNIVERSITY OF STRASBOURG FRANCE



University of Strasbourg France a chemistry hot spot

TOP
5
IN CHEMISTRY
IN EUROPE

4
NOBEL PRIZES
IN CHEMISTRY

TOP
20
IN CHEMISTRY
IN THE WORLD

TOP
1
EUROPE IN
INNOVATION IMPACT
(RANKING NATURE INDEX INNOVATION 2017)



Complex systems chemistry CSC

RESEARCH AXES



Molecular units or networks incorporating information capable of expressing a specific property and performing a well-defined task by virtue of their architectures



Adaptive and evolvable chemical systems, capable of responding to external stimuli



Strongly multidisciplinary approaches ranging from biomedical to material sciences

KEY FIGURES

Complex Systems Chemistry In 2010, a **cluster of 19 research groups** in Strasbourg, now known as the **LabEx CSC**, were awarded an excellence grant on this topic.

3

ACTIVE NOBEL LAUREATES,
INCLUDING JEAN-PIERRE SAUVAGE (2016)

4

MEMBERS OF THE ACADEMY OF SCIENCES

7

IUF MEMBERS

11

CNRS MEDAL AWARD WINNERS

3

ERC ADVANCED GRANTEES AND 7 ERC STARTING

About us and mission

We are taking a new approach to educating a new generation of chemistry leaders – those that will prepare the future of industry and the environment.

A 5- year integrated Master-PhD program centered around a central theme : Complex Systems Chemistry (CSC).

A program for international students: English as the only teaching language

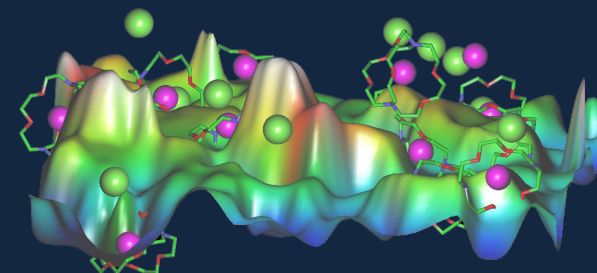
Defining CSC Research and CSC Graduate School learning as a whole



Combining the existing expertise in CSC with educational program: Constantly exposing students to current research activities and Innovation



Benefits for PhD:
Leverage master program during thesis
Thesis topics at the interface between disciplines



Educational program

MASTER PROGRAM: 2 YEARS



A multi- and transdisciplinary program that offers a broad education in:

Molecular and physical chemistry (synthesis, spectroscopies, materials science, theory) including industrial aspects

Selected courses from existing Masters programs: « Chimie Moléculaire, verte, supramoléculaire, chimie physique analytique et Matériaux »



Students are learning by doing

14 months of experimental work in 2-3 research laboratories, including practical training with their state-of-the-art equipment

M1 internships: 4 months in academic laboratories or international companies

M2 internships: 4 months in academic laboratories or international companies, 6 months in academic CSC laboratories

An annual summer school



Entrepreneurship & Innovation program

Significant exposure to issues relevant to industrial R/D and the innovation value chain, including business immersion days with industrial partners

Visits to corporate research centers

Industrial program built in collaboration with leading companies



The CSC Graduate School focuses on student's soft skills

Professional and personal development through an innovative and customized 5-year leadership training program

Personal mentoring from LabEx CSC researchers

Exploring written and oral communication

THESIS: 3 YEARS

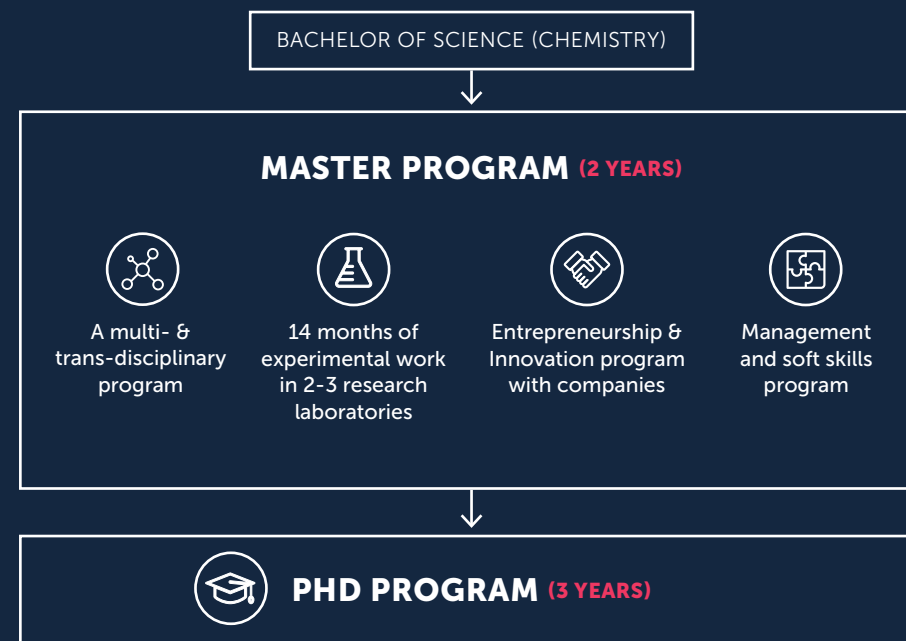


A combined thesis and CSC Graduate school diploma

Specific training and scientific workshops

Leadership training program in continuity with the MSc period

A CSC Graduate School diploma recognised in academia and industry





What do we offer?

- MSc scholarships: roughly 600€ per month covering most living costs
- PhD fellowships for successful MSc students with net salary roughly 1400€ per month
- Financial assistance for travel expenses will be reimbursed up to 1000€, subject to the provision of receipts
- Specific assistance to international students for housing, visa application, enrolment and health insurance
- Exemption from registration fees at the University of Strasbourg (MSc students only)



Admission criteria

- You have a Bachelor in the field of chemistry or related subjects
- You are among the top 10% of the students in your university
- You have a solid background in English
- You have a strong interest to acquire professional knowledge in the field of complex systems chemistry



Join us!

Apply at grad-csc.unistra.fr



Corporate partnerships

You are a company interested in:

- Being accompanied in research and innovation in your industrial activity
- Recruiting future talents
- Developing an long term partnership with the CSC Graduate School and University of Strasbourg

CONTACT US:

- wittersheim@icfrc.fr
Stéphanie Wittersheim
Manager CSC Graduate School





CSC GRADUATE SCHOOL
8 ALLÉE GASPARD MONGE, 67000 STRASBOURG (FRANCE)
WWW.GRAD-CSC.UNISTRA.FR