Shape your future in Life Sciences

MASTER AIRE - LIFE | LEARNING | DIGITAL

Master AIRE

Interdisciplinary Approaches to Research and Education - Life Sciences track

The **AIRE Master** is a 2-year program of Université de Paris hosted at the **Center for Research and Interdisciplinarity** (CRI) in the heart of Paris. By studying at the CRI, students profit from a vibrant ecosystem rich in seminars, global initiatives about research and education, club activities, and 150 square meters of lab space.

The AIRE Master is part of the **Graduate School for Interdisciplinary Research in Paris (EURIP),** which also encompasses the **FIRE Doctoral School.** The EURIP program focuses on bridging fundamental and applied research at the interfaces of Life, Learning and Digital Sciences, and aims at developing new ways of teaching, doing research and learning through research.

Its main objective is to train high-level **multi-skilled** students/researchers to tackle UN's major **Health and Education SDGs** and act as **innovators** and **change makers** while allowing them to acquire **practical knowledge** and **transversal skills** (communication, ethics, critical thinking, creativity, entrepreneurial mindset) that are essential in today's world. The AIRE Master provides an excellent academic training with an unparalleled positioning on **interdisciplinarity**, **collaborative work**, **student empowerment** and **educational innovation**.

At **AIRE-LiSc,** you will study **Life Sciences** via an innovative **interdisciplinary** approach, based on the convergence of **Biology, Physics, Mathematics** and **Computer Science**. You will be able to build your own unique course portfolio, and to gain substantial, meaningful **research experience** thanks to our internship-rich program. You will be trained by **prominent researchers** from different backgrounds, who experience innovative teaching methods. You will work in an **international environment** that promotes teamwork and collaborations, and thus builds long-lasting ties with researchers and fellow students from all over the world.

Master 1

The first year (M1) is designed to teach primarily **Systems, Synthetic and Computational Biology**, with an emphasis on **programming, statistics, experimental methods, biophysics** - broadly speaking, **quantitative approaches in Life Sciences.** Besides taking Life Sciences classes, students are encouraged to choose extra courses from the Learning and Digital tracks, or to follow external modules, in order to acquire or strengthen specific complementary knowledge. During this first year, students also undertake a **5-month long internship** in a research lab. Students can also choose to participate in iGEM, an international competition in Synthetic Biology or develop a personal project.

Master 2

During the second year (M2), students deepen their knowledge in Life Sciences, and develop their abilities to critically analyse scientific works and to elaborate an interdisciplinary research project. This second year is designed to help students find their way in the research realm. Throughout the year, students perform **at least two internships, for up to 9 months**, giving them the opportunity to learn research by doing research in labs, to meet with researchers, and to discuss recent interdisciplinary research articles and reviews. At the end of the year, most of our students apply to a PhD program, in France or abroad.

Do you want to be trained in **Quantitative approaches, Systems and Synthetic Biology?** Do you want to acquire the skills needed to start a **PhD**? Do you want to help build an **open and collaborative scientific community**?

If the answer to any of these questions is "Yes!", then apply now!

master.cri-paris.org/

@aire_master

master-aire@cri-paris.org

@aire-master

CRI

Université de Paris

FONDATION BETTENCOURT SCHUELLER

INVESTISSEMENTS D'AVENIR