

COM-598

**Master project in Data science**

Profs divers \*

Cursus	Sem.	Type
Data Science	PME, PMH	Obl.

Language of teaching	English
Credits	30
Withdrawal Session	Unauthorized Winter, Summer
Semester Exam	Spring Oral
Workload Weeks	900h
Project	900 weekly

**Number of positions**

**Il n'est pas autorisé de se retirer de cette matière après le délai d'inscription.**

**Summary**

The student carries out an academic or industrial master's project. The student will use the required skills and knowledge to accomplish an independent Master in Data Science.

**Content**

The Master's project gives the student's the opportunity to carry out theoretical and practical work of academic or industrial scope registered in a broad field of knowledge of the engineer in Data Science acquired during his years of study. Each project is carried out under the supervisor of a professor from the Computer and Communication School.

**Learning Outcomes**

By the end of the course, the student must be able to:

- Formulate and deal with complex subjects in a critical, independent and creative way by applying a holistic life
- Plan and use the appropriate methods to carry out tasks within a given framework
- Develop an individual research project
- Apply skills to a specific subject
- Represent data in a coherent and efficient way
- Develop expertise in a specific area of research
- Compose a written scientific report of a project
- Orally present a project for a scientific audience

**Transversal skills**

- Set objectives and design an action plan to reach those objectives.
- Use a work methodology appropriate to the task.
- Communicate effectively, being understood, including across different languages and cultures.
- Assess progress against the plan, and adapt the plan as appropriate.
- Give feedback (critique) in an appropriate fashion.
- Take feedback (critique) and respond in an appropriate manner.
- Collect data.
- Access and evaluate appropriate sources of information.

**Teaching methods**

The student will have to write a report of his master's project which will be evaluated by a jury during the oral defense of his work.

### **Assessment methods**

Written report and oral presentation

### **Resources**

#### **Websites**

- <https://www.epfl.ch/schools/ic/education/master/master-project/>