

QUANT-597

Engineering internship (master in Quantum science and engineering)

Profs divers *

| Cursus | Sem. | Type |
|---------------------------------|--------------------|------|
| Quantum Science and Engineering | MA1, MA2, MA3, MA4 | Obl. |

| | |
|----------------------------|---------------------|
| Language of teaching | English |
| Credits | 12 |
| Session | Winter, Summer |
| Semester | Fall |
| Exam | During the semester |
| Workload | 360h |
| Weeks | |
| Practical work | 320 weekly |
| Number of positions | |

Remark

The internship can not be done in MA1

Summary

The industry internship is an integral part of the curriculum for master's students. They join companies in Switzerland or abroad to carry out an internship in a field of activity where the skills of the future Engineer Quantum Science and Engineering are highlighted.

Content

The industry Internship represents an important experience for students, allowing them to achieve the following goals:

- Immerse themselves in the professional world
- Highlight the importance of teamwork
- Consider the imperatives of a company in its processes
- Put into practice the knowledge acquired from the study plan

The duration of the internship could vary from 8 weeks to 6 months.

Keywords

Internship, industry, company, softskills

Learning Outcomes

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

- Apply scientific, technical and organisational knowledge appropriate to the context

Transversal skills

- Plan and carry out activities in a way which makes optimal use of available time and other resources.
- Use a work methodology appropriate to the task.
- Communicate effectively, being understood, including across different languages and cultures.
- Evaluate one's own performance in the team, receive and respond appropriately to feedback.
- Take account of the social and human dimensions of the engineering profession.

- Demonstrate the capacity for critical thinking
- Take feedback (critique) and respond in an appropriate manner.

Assessment methods

At the end of the internship, the student should fill in the evaluation report which will be sent to him by e-mail. The evaluation procedure starts 2 weeks before the official end of the internship and consists of an evaluation by the student and by the supervisor.

Resources

Websites

- <https://stages.epfl.ch/students/>