MSc in chemical and biochemical engineering

Success conditions
Internship
Minor
Master project

Official curriculum:
https://sac.epfl.ch/study-plans-regulations
Curriculum of MSc

- Semesters 1 & 2: 60 credits
- Industrial internship: 30 credits
- Academic minor: 30 credits

or

- Academic MSc thesis: 30 credits
- Industrial MSc thesis: 30 credits

MSc cycle in 90 credits
Minimal requirements for getting **Bloc 1**

http://sb.epfl.ch/page-121142-en.html

a) Enroll (= IS-Academia) in all courses = 14 ECTS
b) Present all the exams

c) Get a general score ≥ 4.00 (scale 1 to 6)

Quotation at quarter of point
Minimal requirements for getting **Bloc 1**

- Every individual mark $\geq 4.00$ leads to gain the course related credits
- If one or several marks are $< 4.00$ but the general score of the bloc is $\geq 4.00$, the full credits are also allocated.

**calculation:** $\Sigma (\text{mark} \times \text{credit}) / \Sigma \text{credits} \geq 4.00$

(Modules don’t have to be passed individually)
Minimal requirements for getting **Bloc 2**

a) Enroll (= IS-Academia) in all courses of 3 modules = **18 ECTS**

b) Select other courses for at least **10 ECTS** in other modules, in the Bloc 2 list, in the MSc in chemistry or in other masters after agreement of your MSc advisor: **Prof. K Sivula**.

c) Present all the exams

d) Get a general score ≥ 4.00 (scale 1 to 6)
Master’s calendar

- **2017**
  - Sep: Fall Semester
  - Oct: Exams
  - Nov: Spring Semester
  - Dec: Christmas break

- **2018**
  - Jan: End of November
    - Deadline Minor
  - Févr: End of Semester
    - Deadline MSc thesis
  - Mars: Exams
  - Avr: Spring Semester
  - Mai: Exams
  - Juin: Internship (4 to 6 months)
  - Juill: or
  - Août: Minor
  - Sept: Exams
  - Oct: End of Semester
    - Deadline MSc thesis

- **2019**
  - Nov: Exams
  - Déc: End of Semester
    - Deadline MSc thesis
  - Janv: End of Semester
    - Deadline MSc thesis
  - Févr: Exams
  - Mars: End of Semester
    - Deadline MSc thesis
MSc thesis versus Internship

**MSc thesis**
- Under the responsibility of an EPFL Prof. or MER
- Personal research
- Original work
- Publishable
- MSc thesis
- Thesis defense
- Jury gives a grade

**Internship**
- Under the responsibility of the industrial partner
- Integration in a team
- Industrial project
- Confidentiality
- Internal research report
- Internal oral presentation
- No grade
Industrial internship

• Your advisor: Catherine Marselli

• Dedicated information during the Fall semester
Minor

EPFL Minor program aims to propose compl. studies (30 credits = one semester) with 2 options:

Transdisciplinary minors: courses in a specialized field
Disciplinary minors: core courses from BSc/MSc of a specific section

Enrollment: contact the Minor’s advisor.

List of minors: sac.epfl.ch/study_plans

Registration deadline: End of November

Major and Minor can be taught together!
Consequences for the MSc thesis

- If an industrial internship is completed, the Master’s thesis must be done in academia (EPFL or in an University abroad).
- If a minor is completed, the Master’s thesis must be done in industry.

- The 90 credits (Master cycle including Internship or Minor) must be obtained before starting the Master thesis.
  
  ie. for most of you MSc thesis is scheduled for Spring 2018

- An information about the Master thesis will be given next semester.