

How to design your MAS MTEC course of study

The MAS MTEC programme offers you flexibility in terms of distributing your workload over the duration of the programme. You have the flexibility to design your individual study programme, combining weekly core and elective courses as well as block courses. There are minimum requirements for each course category and an overall maximum of 65 ETCS Credit Points (CP) for the full programme. The examples on the next page illustrate three possible courses of study.

Regulatory basis

It is essential that you begin planning your studies for the entire programme already in the first semester. You will choose your lecture courses from four different categories:

- Core Courses
- Skill-based Training
- Elective Courses
- Master's thesis

In total, you have to earn 60 CP to complete the degree:

- min. 15 CP from Core Courses (3 CP in at least five out of six competence areas)
- min. 2 Skill-based Training courses
- 12 CP from your Master's thesis

You can earn the remaining CP from Core Courses, Skill-Based Training courses, and Elective Courses. Also, you may earn a maximum of 6 CP from courses from other ETH departments. Prior to registering for courses from other ETH departments you have to get approval from Student Services.

Recommendations

To make sure you earn between 60 CP and 65 CP it is important that you plan your workload carefully. Each CP corresponds to an average workload of 25–30 hours. We therefore recommend the following:

- Reduce your professional employment to 70–80 %
- Keep in mind the requirements for Core Courses and Skill-based Training
- Do not take more than 8 courses per semester
- Be aware that courses award different numbers of CP
- Complete the programme in the allocated time of 4 semesters

The three examples on the next page illustrate how you might take these aspects into consideration when planning your MAS MTEC course of study.

Student Services

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Three examples of MAS MTEC course plans

Example 1: Equal workload in each semester

For those of you who are able to evenly allocate time for your work and studies, this would be an ideal programme. You will have a consistent workload and will complete the requirements within four semesters by taking fewer than eight courses per semester.

	Number of courses	CP	Total CP
1. Semester	7	15	15
2. Semester	7	15	15
3. Semester	7	18	18
4. Semester	Master's thesis Course Abroad	12 3	15
			Total: 63

Example 2: Increased workload in the first and second semester

Due to familial or professional circumstances, you may need to take more than eight courses in a specific semester. In the example below, fewer courses are planned for the third semester. This is compensated for by an increased course load in the first and second semesters.

	Number of courses	CP	Total CP
1. Semester	8	19	19
2. Semester	11	25	25
3. Semester	2	6	6
4. Semester	Master's thesis Course Abroad	12 3	15
			Total: 65

Example 3: Exceeding the maximum number of credit points

In this case the overall number of credit points exceeds the limit. This situation requires action: Courses and credit points need to be reduced at the latest before course selection for the third semester.

	Number of courses	CP	Total CP
1. Semester	8	20	20
2. Semester	8	21	21
3. Semester	8	18	18
4. Semester	Master's thesis Course Abroad	12 Not possible	12
			Total: 71