RULES FOR THE APPLICATION OF THE STUDY CONTROL OF THE SECTION OF COMPUTER SCIENCE FOR THE MASTER IN COMPUTER SCIENCE - CYBERSECURITY for the academic year 2021-2022
May 26, 2021

The management of the Swiss Federal Institute of Technology Lausanne

Having regard to the ordinance on education leading to the bachelor's and master's degrees of the EPFL of June 14, 2004,
Having regard to the ordinance on the control of studies leading to the bachelor's and master's degrees at EPFL of June 30, 2015,
Having regard to the study plan of the Computer Science section for the Master in Computer Science - Cybersecurity.

Article 1 - Scope of Application

This regulation sets the rules for the application of the control of the master's studies of the Computer Science section for the master's degree in Computer Science - Cybersecurity that refer to the academic year 2020-2021.

Art. 2 - Training stages

The Master in Computer Science - Cybersecurity is composed of two successive stages of training:
- the master's program, which lasts 3 semesters and requires the acquisition of 90 credits, a condition for the master's project.
- the master project, lasting 17 weeks at EPFL or ETHZ, or 25 weeks outside EPFL (industry or other university) and which, if successfully completed, will result in the acquisition of 30 credits. It is placed under the responsibility of a professor or MER affiliated to the Computer Science or Communication Systems section and must be done in the field of Cybersecurity.

Art. 3 - Examination sessions

1. The examination subjects are examined in writing or orally during the winter or summer sessions. They are mentioned in the study plan with the mention H or E.

2. Semester courses are taken in the fall or spring semester. They are listed in the syllabus as sem A or sem P.

3. An annual branch, i.e., one that is titled on a single line in the study plan, is examined as a whole during the summer session (E).

4. For the sessional branches, the written or oral form of the examination indicated for the session may be supplemented by written or oral tests of knowledge during the semester, as indicated by the instructor.

Art. 4 - Prerequisites

Some courses may require prerequisites that are mentioned in the course description. The prerequisite course is validated if the corresponding credits have been acquired for the course or by block average.

Art. 5 - Admission requirements

1. Students with a Bachelor's degree in Computer Science or Communication Systems from EPFL, and students with a Bachelor's degree in Computer Science from ETHZ, are automatically admitted.

2. Students with a Bachelor's degree in Computer Science or Communication Systems who have not taken the prerequisite courses during their Bachelor's cycle must take them in parallel with their Master's cycle.

3. For other students, admission is by application.

4. A candidate rejected at ETHZ cannot be admitted to EPFL.

Art. 6 - Organization

1. The courses related to this Master's degree are taught by the EPFL and the ETHZ. The first semester of the Master cycle is spent at EPFL and one of the other semesters is spent at ETHZ. During the semester spent at ETHZ, the student must obtain between 20 and 35 ECTS from a list of ETHZ courses established by the Computer Science Section. The credits obtained are validated by the mobility delegate.

2. If the student does not obtain the minimum of 20 credits according to paragraph 1, he/she will have to re-enroll in ETHZ courses and validate the missing credits before the end of the Master cycle.

3. Students who have completed their Bachelor's degree at EPFL may re-enroll in their original section if they fail to obtain credits at ETHZ.

4. The courses of the master cycle are divided into two groups and a block whose credits must be obtained independently.

5. Group 1 "breadth requirement" is composed of the courses listed in Group 1 of the study plan.
6. Group 2 "depth requirement and options" is composed of:
   - courses listed in Group 2 of the curriculum;
   - of excess credits earned in Group 1;
   - an optional project of 8 credits;
   - of courses outside the study plan according to paragraph 9.

7. The "Projects and SHS" block consists of a 12-credit project and SHS instruction.

8. The Project and SHS block project and the Group 2 elective project cannot be completed in the same semester.

9. Courses may be chosen from outside the list of courses in the program of study, for a maximum of 15 credits in total. The choice of these courses must be accepted in advance by the section director who may increase the maximum of 15 credits if the request is justified.

**Art. 7 - Examination of the master cycle**

1. Group 1 breadth requirement is passed when 30 credits are earned.

2. The depth requirement is met when 30 credits are earned from the list of courses endorsed as depth requirements.

3. The breadth requirement and depth requirement and options group, consisting of group 1 and group 2, is passed when 72 credits are earned.

4. The "Projects and SHS" block is passed when 18 credits are earned.

**Art. 8 - SHS Education**

The two SHS branches are each worth 3 credits. The fall semester course introduces the spring semester project. The College of Humanities and Social Sciences may depart from this organization if it considers that the reason is justified. It may also authorize a student to carry out his or her project in a semester that does not immediately follow the semester in which the introductory teaching takes place.

**Art. 9 - Engineering internship**

1. Students beginning their master's degree must complete an engineering internship during their master's degree:
   - or a summer internship of minimum 8 weeks
   - or an internship of at least 6 months in a company (in internship status for one semester). During the COVID-19 period, the duration of the internship can be adapted.

   - or a 25-week master's project in a company (as defined in Art. 2)

2. As a general rule, for Bachelor IC students, the internship can be carried out as early as the 2nd semester of the Master cycle, but before the Master project (except if the internship is carried out as a Master project). On request of the student, the section can authorize him/her to do the internship before or during the first semester of the Master cycle.

3. The student may not take a course/project in parallel with the internship.

4. The person in charge of the internship of the section evaluates the internship, by the appreciation "successful" or "not successful". Successful completion of the internship is a prerequisite for admission to the master project. If the internship is not successful, it can be repeated once, usually in another company.

5. It is validated with the 30 credits of the master project.

6. The organization of the internship and the criteria for its validation are the subject of an internal directive of the section.

On behalf of the EPFL management

The President, M. Vetterli
Academic Vice President, J. S. Hesthaven

Lausanne, May 26, 2021

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