

# Bachelor thesis in Biology, Major in Molecular Biology – Information sheet

The Bachelor thesis in Molecular Biology lasts for 8 weeks, including the preparation of a written report. It is regularly scheduled in the Bachelor's curriculum in the second half of the 6th semester. During this period, all students are guaranteed a placement in a laboratory at the Biozentrum. In addition, the thesis can generally be started at any time of the year if arranged bilaterally with a research group leader (assessor of the thesis).

## 1) Admission requirements

At least one block course must have been successfully completed at the beginning of the Bachelor thesis in Molecular Biology (minimum grade 4). Ideally, all 3 block courses have already been completed so that the thesis represents the official end of the Bachelor studies. But this is not absolutely necessary.

## 2) Time schedule

### a. Start of the block courses with regular period of study (in semester 5)

- in fall semester (fs):
  - first half, block course 1: Structural Biology and Biophysics (course no. 15920)
  - second half, block course 2: Microbiology and Immunology (course no. 12273)
- in spring semester (ss):
  - first half, block course 3: Developmental Biology and Neuroscience (course no. 12285)
  - second half: **Bachelor thesis in Molecular Biology**

### b. Start of the block courses half a year later than the regular period of study (in semester 6)

- in spring semester (ss):
  - first half, block course 1: Developmental Biology and Neuroscience (course no. 12285)
  - second half: **Bachelor thesis in Molecular Biology**
- in fall semester (fs):
  - first half, block course 2: Structural Biology and Biophysics (course no. 15920)
  - second half, block course 3: Microbiology and Immunology (course no. 12273)

### c. In agreement with research group leader

Thesis start upon agreement between student and research group leader.

## 3) Procedure for laboratory assignment of students in spring semester

Students must register for their Bachelor thesis by sending an e-mail to the Student Office Biology at the Biozentrum ([julia.locke@unibas.ch](mailto:julia.locke@unibas.ch); Coordinator of the Biology degree programs) by the end of the third week of the spring semester lecture period (e.g. 7 March 2025). The students indicate 5 preferred laboratories. At the same time, students can also make a bilateral agreement directly with a laboratory of their choice, which must be immediately communicated to the above named coordinator no later than 7 March 2025.

In week 4 of the spring semester lecture period, the allocation is made by the above named coordinator. If all preferred laboratories are full, students will be assigned to laboratories with the same research area as their preferences. Students and the research group leaders will be informed by email.

The Bachelor thesis begins in week 9 of the spring semester lecture period. Before beginning the thesis, a learning contract must be downloaded by the student (Download at: <https://bio.unibas.ch/de/studium/bsc-biologie>) and Part I of the learning contract has to be completed and signed in duplicate by the student and the research group leader (assessor). The student hands in both completed forms to the Student Office Biology at the Biozentrum ([julia.locke@unibas.ch](mailto:julia.locke@unibas.ch)) to be signed by the Head of the Teaching Committee Biology. Both forms are then returned to the student. The Bachelor thesis is at the end graded by the research group leader. After completion of Part II by the assessor, one copy remains with the assessor, the second copy is to be submitted by the student along with the cover page of the thesis to the Office of the Dean of Studies of the Faculty of Science ([studiendekanat-philnat@unibas.ch](mailto:studiendekanat-philnat@unibas.ch)).

## 4) Participating research groups offering projects for the Bachelor thesis in Molecular Biology

Please find the list of all research groups of the Biozentrum here:

<https://www.biozentrum.unibas.ch/research/research-groups/research-groups-a-z>