Curriculum 2020-2022

Degree structure

Master of Science (Technology) degree is 120 ECTS credits. Master’s Programme in Life Science Technologies consists of major studies (60–65 ECTS), elective studies (25–30 ECTS), and master’s thesis (30 ECTS). Programme includes 15 ECTS of common studies for all students. Common studies are included in the major studies.

- **Major studies (60–65 cr)**
- **Master’s thesis (30 cr)**
- **Electives (25–30 cr)**

Master's Programme in Life Science Technologies offers a multidisciplinary curriculum focusing on important aspects of current and emerging technologies for life sciences, covering fields such as biological data analysis and modeling, advanced biomaterials and bioelectronics, biomedical engineering and neuroscience. The programme draws on fundamental and applied knowledge on these fields, and is closely linked to research conducted in the participating schools and departments.

To prepare the graduates for their future work with large and often complex systems, the programme includes practical project works in groups, which provide skills for solving multifaceted and ill-defined problems similar to those faced in the actual professional life. These projects typically include experimental and practical components as well as fundamental theoretical aspects.

The programme also gives the student a comprehensive foundation for doctoral studies. The Bioinformatics and Complex Systems majors host a doctoral track with a selective student intake.