

Study plan Master Biology FSPO 2017

Choice between three major topics: Molecular Bioscience, Neurobiology or Biodiversity & Ecology

Mandatory

- Molecular Bioscience 5 CP
- Neurobiology 3 CP
- Biodiversity / Ecology 3 CP

Mandatory elective biology

Elective modules - Molecular Bioscience:

- Molecular Botany 18 CP
- Microbiology 18 CP
- Genetics 18 CP
- Protein-Biochemistry 18 CP
- Conservation Genomics + Molecular Biology 18 CP
- Endocrinology 18 CP

Elective modules - Neurobiology:

- Neurobiology 21 CP
- Behavioral Physiology 21 CP

Elective modules - Biodiversity & Ecology:

- Evolutionary Ecology 12 CP
- Ecology of the Mediterranean 9 CP
- Tropical Ecology in Costa Rica 18 CP
- Marine Ecology 9 CP
- Tropical Ecology 12 CP
- Conservation Genomics 12 CP
- Chemical Ecology 12 CP
- Soil & Water 9 CP

Mandatory elective biology/medicine

- Pharmacology + Toxicology
- Virology
- Biochemistry
- Biophysics
- Biological modules
- ...

Mandatory elective non-biological

- Mathematics
- Chemistry
- Philosophy
- Psychology
- Thinking about Science
- ...

Elective supplementary course

- Patent right 3 CP
- Quality control 3 CP
- Medical products 3 CP
- Statistics 3 CP
- Excursion 3 CP

Advanced Methods in Bioscience 10 CP

Master Thesis 30 CP

120 CP

Mandatory elective Master Biology FSPO 2017

Mandatory elective field with major topic molecular bioscience

- Without minor topic: two molecular biosciences modules (36 CP)
- With minor topic neurobiology: one molecular bioscience module (18 CP) and one neurobiology module (21 CP)
- With minor topic biodiversity & ecology: one molecular bioscience module (18 CP) and one biodiversity and ecology module (18 CP)
- One medical or further biological subject (15CP)
- One non-biological subject (12 CP)
- Two out of the three elective supplementary courses: patent right, quality control and medical products (6 CP)

Mandatory elective field with major topic biodiversity and ecology

- Without minor topic : biodiversity and ecology courses with a total of at least 36 CP
- With minor topic neurobiology: one neurobiology module (21 CP) and biodiversity and ecology courses with a total of at least 18 CP
- With minor topic molecular bioscience: biodiversity and ecology courses with a total of at least 18 CP one molecular bioscience module (18 CP)
- One medical or further biological subject (15 CP)
- One non-biological subject (12 CP)
- Statistics and Excursion (6 CP)

Mandatory elective field with major topic neurobiology (no longer eligible since SS 22)

- Without minor topic: two neurobiology modules (42 CP)
- With minor topic biodiversity and ecology : biodiversity and ecology courses with a total of at least 18 CP and one neurobiology module (21 CP)
- With minor topic molecular bioscience: one neurobiology module (21 CP) and one molecular bioscience module (18 CP)
- One medical or further biological subject (15 CP)
- One non-biological subject (12 CP)
- One elective supplementary course (3 CP)

Exemplary Study plan Master Biology

Major topic Molecular Bioscience without minor topic

Semester

CP

1	<p>Mandatory</p> <p>Molecular Bioscience 5 CP Neurobiology 3 CP Biodiversity / Ecology 3 CP</p>	<p>Mandatory elective biology/medicine</p> <p>Pharmacology + Toxicology 15 CP</p>	<p>Elective supplementary course</p> <p>Patent right 3 CP</p>	29 CP
2	<p>Mandatory elective biology</p> <p>Elective modules - Molecular Bioscience: Genetics 18 CP</p>	<p>Mandatory elective non-biological</p> <p>Thinking about Science 6 CP</p>	<p>Elective supplementary course</p> <p>Quality control 3 CP</p>	27 CP
3	<p>Mandatory elective biology</p> <p>Elective modules - Molecular Bioscience: Endocrinology 18 CP</p>	<p>Mandatory elective non-biological</p> <p>Thinking about Science 6 CP</p>	<p>Advanced Methods in Bioscience 10 CP</p>	34 CP
4	<p>Master Thesis 30 CP</p>			30 CP

120 CP

Exemplary Study plan Master Biology

Major topic Biodiversity and Ecology with minor topic Molecular Bioscience

Semester

CP

1	Mandatory Molecular Bioscience 5 CP Neurobiology 3 CP Biodiversity / Ecology 3 CP	Mandatory elective non-biological Economics 12 CP	Elective supplementary course Statistics 3 CP	26 CP	
	Mandatory elective biology Elective modules - Biodiversity & Ecology: Soil & water 9 CP	Mandatory elective biology Elective modules – Molecular Bioscience: Genetics 18 CP	Elective supplementary course Excursion 3 CP		30 CP
	Mandatory elective biology Elective modules - Biodiversity & Ecology: Chemical ecology 12 CP	Mandatory elective biology/medicine Medical Neuroscience 15 CP	Advanced Methods in Bioscience 10 CP		
	Master Thesis 30 CP				30 CP

123 CP