Study Plan Master Biology, Major Topic Molecular Bioscience:

**Obligatory Courses WS:**
- Molecular Bioscience 5 CP
- Neurobiology 3 CP
- Biodiversity / Ecology 3 CP (Total 11 CP)

**Choice** of a biological/medical subject, with a total of 15 CP, or a further biological subject with at least 15 CP; WS + SS:
- Pharmacology + Toxicology; Virology; Medical Neuroscience; Human genetics; Biochemistry; Biophysics (WS + SS)
- Biological subjects: See modules of the minor topics Neurobiology or Molecular Bioscience (Total 15 CP)

**Choice** of a non-biological subject with a total of 12 CP, WS + SS:
- Computer science; Mathematics; Chemistry; Economics; Philosophy; Psychology; Thinking about Science (WS + SS) (Total 12 CP)

**Choice**, two out of three:
- Patent right 3 CP (WS)
- Quality control 3 CP (SS)
- Medical products 3 CP (WS) (Total 6 CP)

**Without Minor Topic:**
- Choice, two out of six courses:
  - Molecular Botany 18 CP (WS)
  - Microbiology 18 CP (WS + SS)
  - Genetics 18 CP (SS)
  - Protein-Biochemistry 18 CP (SS)

**With Minor Topic Neurobiology:**
- Choice, one out of six courses:
  - Conservation Genomics + Molecular Biology 18 CP (WS)
  - Endocrinology 18 CP (WS)

**With Minor Topic Biodiversity & Ecology:**
- Choice, one out of six courses:
  - Evolutionary Ecology: Interactions of Organisms and their Environment 12 CP (SS)
  - Ecology of the Mediterranean 9 CP (SS)
  - Tropical Ecology in Costa Rica 18 CP (Sept.)
  - Marine Ecology 9 CP (SS)
  - Tropical Ecology 12 CP (WS)
  - Conservation Genomics 12 CP (WS)
  - Chemical Ecology 12 CP (WS)
  - Wetland Ecology 9 CP (SS)
  - Soil & Water 9 CP (SS)

**Choice, one out of two courses:**
- Neurobiology 21 CP (WS)
- Behavioral Physiology 21 CP (SS)

**Choice, courses with a total of at least 18 CP out of nine courses:**
- Advanced Methods in Bioscience 10 CP
- Master Thesis 30 CP (Semester 3 or 4) (Total 40 CP)

**Total CP:**
- 120 - 123 CP
Study Plan Master Biology, Major Topic Biodiversity and Ecology:

**Obligatory Courses WS:**

| Molecular Bioscience 5 CP | Neurobiology 3 CP | Biodiversity / Ecology 3 CP | 11 CP |

**Choice** of a biological/medical subject, with a total of 15 CP, or a further biological subject with at least 15 CP; WS + SS:

Pharmacology + Toxicology; Virology; Medical Neuroscience; Human genetics; Biochemistry; Biophysics (WS + SS)

Biological subjects: See modules of the minor topics Neurobiology or Molecular Bioscience

**Choice** of a non-biological subject with a total of 12 CP, WS + SS:

Computer science; Mathematics; Chemistry; Economics; Philosophy; Psychology; Thinking about Science (WS + SS)

| Statistics 3 CP (WS) | Excursion 3 CP (SS) | 6 CP |

**Without Minor Topic:**

Choice, courses with a total of at least 36 CP out of nine courses:

- Evolutionary Ecology: Interactions of Organisms and their Environment 12 CP (SS)
- Ecology of the Mediterranean 9 CP (SS)
- Tropical Ecology in Costa Rica 18 CP (Sept.)
- Marine Ecology 9 CP (SS)

**With Minor Topic Neurobiology:**

Choice, courses with a total of at least 18 CP out of nine courses:

- Tropical Ecology 12 CP (WS)
- Conservation Genomics 12 CP (WS)
- Chemical Ecology 12 CP (WS)
- Wetland Ecology 9 CP (SS)
- Soil & Water 9 CP (SS)

**With Minor Topic Molecular Bioscience:**

Choice, courses with a total of at least 18 CP out of nine courses:

- Molecular Botany 18 CP (WS)
- Microbiology 18 CP (WS + SS)
- Genetics 18 CP (SS)
- Protein-Biochemistry 18 CP (SS)
- Conservation Genomics + Molecular Biology 18 CP (WS)
- Endocrinology 18 CP (WS)
- Neurobiology 21 CP (WS)
- Behavioral Physiology 21 CP (SS)

**Choice, one out of six courses:**

- Advanced Methods in Bioscience 10 CP

**Choice, one out of two courses:**

- Master Thesis 30 CP (Semester 3 or 4)

120 - 123 CP
<table>
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<tr>
<th>Study Plan Master Biology, Major Topic Neurobiology:</th>
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<tr>
<td><strong>Obligatory Courses WS:</strong></td>
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<tr>
<td>Molecular Bioscience 5 CP</td>
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**Choice of a biological/medical subject, with a total of 15 CP, or a further biological subject with at least 15 CP; WS + SS:**
- Pharmacology + Toxicology; Virology; Medical Neuroscience; Human genetics; Biochemistry; Biophysics (WS + SS)
- Biological subjects: See modules of the minor topics Neurobiology or Molecular Bioscience

**Choice of a non-biological subject with a total of 12 CP, WS + SS:**
- Computer science; Mathematics; Chemistry; Economics; Philosophy; Psychology; Thinking about Science (WS + SS)

**Without Minor Topic:**
- Two courses:
  - Choice, one out of two courses:
    - Neurobiology 21 CP (WS)
    - Behavioral Physiology 21 CP (SS)

**With Minor Topic Molecular Bioscience:**
- Choice, one out of five courses:
  - Molecular Botany 18 CP (WS)
  - Microbiology 18 CP (WS + SS)
  - Genetics 18 CP (SS)
  - Protein-Biochemistry 18 CP (SS)
  - Conservation Genomics + Molecular Biology 18 CP (WS)
  - Endocrinology 18 CP (WS)

**With Minor Topic Biodiversity and Ecology:**
- Choice, one out of two courses:
  - Evolutionary Ecology: Interactions of Organisms and their Environment 12 CP (SS)
  - Ecology of the Mediterranean 9 CP (SS)
  - Tropical Ecology in Costa Rica 18 CP (Sept.)
  - Marine Ecology 9 CP (SS)
  - Tropical Ecology 12 CP (WS)
  - Conservation Genomics 12 CP (WS)
  - Chemical Ecology 12 CP (WS)
  - Wetland Ecology 9 CP (SS)
  - Soil & Water 9 CP (SS)

**Choice, one out of six courses:**
- Excursion 3 CP (SS)
- Statistics 3 CP (WS)
- Patent right 3 CP (WS)
- Medical products 3 CP (WS)
- Quality control 3 CP (SS)
- Advanced Methods in Bioscience 10 CP

**Choice, courses with a total of at least 18 CP out of nine courses:**
- 21 - 42 CP

**Choice of a biological/medical subject, with a total of 15 CP, or a further biological subject with at least 15 CP; WS + SS:**
- Pharmacology + Toxicology; Virology; Medical Neuroscience; Human genetics; Biochemistry; Biophysics (WS + SS)
- Biological subjects: See modules of the minor topics Neurobiology or Molecular Bioscience

**Choice of a non-biological subject with a total of 12 CP, WS + SS:**
- Computer science; Mathematics; Chemistry; Economics; Philosophy; Psychology; Thinking about Science (WS + SS)

**Choice of a biological/medical subject, with a total of 15 CP, or a further biological subject with at least 15 CP; WS + SS:**
- Pharmacology + Toxicology; Virology; Medical Neuroscience; Human genetics; Biochemistry; Biophysics (WS + SS)
- Biological subjects: See modules of the minor topics Neurobiology or Molecular Bioscience

**Choice of a non-biological subject with a total of 12 CP, WS + SS:**
- Computer science; Mathematics; Chemistry; Economics; Philosophy; Psychology; Thinking about Science (WS + SS)

**Choice, one out of five courses:**
- Excursion 3 CP (SS)
- Statistics 3 CP (WS)
- Patent right 3 CP (WS)

**Advanced Methods in Bioscience 10 CP**

**Master Thesis 30 CP (Semester 3 or 4)**

**Total:** 120 CP