## Master Programme in Applied Biotechnology 2018/2019

<table>
<thead>
<tr>
<th>Period 1</th>
<th>Period 2</th>
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<tr>
<td>180903-181028</td>
<td>181029-190120</td>
<td>190121-190324</td>
<td>180325-190609</td>
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</tbody>
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### Courses during the first year
- **Autumn ’18**
  - Trends in Molecular Biology and Biotechnology, 15 credits (1BG396)
  - Structure and Function of Macromolecules, 15 credits (1BG349)
  - Biotechnology Project, 10 credits (1BG357)
  - Synthetic Biology, 10 credits (1MB433)
  - Immunotechnology, 10 credits (1MB463)
  - Innovation Management and Entrepreneurship, 10 credits (1TE769)
  - Degree Project D in Applied Biotechnology, 15 credits (1BG353)*

### Courses during the second year
- **Autumn ’18**
  - Protein Engineering, 15 credits (1BG301)
  - Toxicology D, 15 credits (1BG381)
  - Microbiology, 15 credits (1BG307)
  - Immunology, 15 credits (1BG313)
  - Molecular Infection Biology, 15 credits (1BG323)
  - RNA: Structure, Function and Biology, 15 credits (1BG388)
  - Molecular Cell Biology, 15 credits (1BG320)
  - Functional Genomics, 15 credits (1BG322)
  - Genetic and Molecular Plant Science, 15 credits (1BG511)
  - Bioinformatic Analyses I, 5 credits (1BG311)
  - Bioinformatic Analysis IIa, 5 credits (1BG337)
  - Protein Biotechnology, 10 credits (1KB768)
  - Biosensors, 5 credits (1KB446)
  - Synthetic Biology, 10 credits (1KB433)
  - Immunotechnology, 10 credits (1KB463)
  - Nanobiotechnology, 10 credits (1KB457)

### Optional courses**
- Literature Project in Applied Biotechnology, 5 credits (1BG356)
- Bioinformatics on the Web, 5 credits (1BG425)
- Specialised Course in Molecular Biotechnology and Bioinformatics I, 10 credits (1MB381)
- Research Training in Biology and Applied Biotechnology, 10 credits (1BG363)
- Research Training in Biology and Applied Biotechnology, 15 credits (1BG364)
- Research Training in Biology and Applied Biotechnology, 20 credits (1BG365)

* The course (1BG353) Degree project D in Applied Biotechnology is for one year masters.
** Optional courses are given in different periods and can replace other courses in the programme.

Note that an MSc degree may contain max 30 credits from basic (BSc) level.