The Master program has a normal duration of 3 semesters and comprises 90 ECTS:

- 15 ECTS: Compulsory (10 ECTS) and Optional Courses (5 ECTS) (Module 1)
- 15 ECTS: First Step Project (Module 2)
- 30 ECTS: Compulsory (12 ECTS) and Optional Courses (18 ECTS) (Module 3)
- 30 ECTS: Personal Research Project (Master Thesis) (Module 4)

For specialisation Behaviour, Economics and Evolution (BEE) (30 ECTS), the student must obtain:

- 6 ECTS with Compulsory courses (marked in blue) in the Module 1
- 12 ECTS with Compulsory interdisciplinary subjects (marked in blue) in the Module 3
- 12 ECTS with at least 3 ECTS with Disciplinary optional subjects (marked in green) and at least 6 ECTS with Cross disciplinary optional subjects (marked in blue) in the Module 3
- Modules 2 and 4 have to be in behaviour, economics and evolution fields, validated by the head of BEE specialisation

Training objectives are available in its programme regulations.

Specific training objectives: At the end of the course the students will be able to:

- Interact with biologists and economists alike and thus foster and stimulate interactions between these two fields of study.
- Respond to a biological question of behaviour and/or conservation and resource management by mobilising relevant economic science concepts.

### Autumn Semester (semester 1)

<table>
<thead>
<tr>
<th>Courses / Enseignement</th>
<th>Hours per semester</th>
<th>Teaching Staff</th>
<th>ECTS Credits</th>
<th>Limited nb of students</th>
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</thead>
<tbody>
<tr>
<td><strong>Compulsory / Obligatoires</strong></td>
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</tbody>
</table>
| Data Analysis
  Analyses de données | 6 - 6 | Robinson M., Malaspinas A.-S. | 2 |
| Introduction into Scientific Writing
  Introduction à la rédaction scientifique | 7 - 9 | Waterhouse R. | 2 |
| Microeconomics and Game Theory (HEC)
  Microéconomie et jeux théoriques | 56 - | Thöni C. | 6 |
| **Subtotal** | 69 - 9 | 6 | 10 |
| **Optional / Optionnel** | | | | |
| Advanced Data Analysis
  Analyses de données : niveau avancé | 6 - 6 | Robinson M., Malaspinas A.-S. | 2.5 |
| Molecular Methods in Ecology and Evolution
  Méthodes moléculaires en écologie et évolution | 18 - 42 | Sanders I., Fumagalli L., Salamin N. | 5 |
| Scientific Research in all its Forms (for Biology)
  La recherche dans tous ses états (pour biologie) | 14 - | Preissmann D. | 1.5 |
| Spatial Analysis and GIS in Ecology
  Analyses spatiales et SIG en écologie | 7 - 10 | Guisan A. | 1.5 |
| Introduction to R (optional support)
  Introduction à R (mise à niveau optionnelle) | | Schütz F. | - |
| Animal Experimentation and Wild Animals **
  Expérimentation animale et animaux sauvages | 20 - 20 | Rubin J.-F. | 1.5 |
| Advanced Quantitative Genetics
  Génétique quantitative avancée | 10 - 7 | Robinson M. | 1.5 |
| Animal Communication and Parasitism
  Communication animale et parasitisme | 14 - | Christe P., Roulin A. | 1.5 |
| Phylogeography
  Phylogéographie | 7 - 10 | Fumagalli L. | 1.5 |
| Major Transitions in Evolution
  Les grandes étapes de l'évolution | 14 - | Ulrich Y. | 1.5 |
| **Total** | 15 | | |
| **Practical Project / Travail pratique** | | | | |
| First Step Project
  Travail d’initiation à la recherche | - - 224 | Kawecki T., Lehmann L. | 15 |

* Obtain at least 3 ECTS from disciplinary courses (marked in green)

** Only students who choose a master project with animal experimentation are allowed to select this course

### Abbreviations

- C = Course
- E/S = Exercise/Seminar
- PW = Practical Work

06.06.2019/jn