

CURRICULAR MATRIX

Curriculum Matrix – Master's Program in Ecology Graduate Program in Coastal and Marine Ecosystem Sustainability

To obtain the Master's degree, the student must accumulate a total of 50 credits, distributed as follows:

6 (six) credits in mandatory courses:

- Scientific Work Methodology (2 credits)
- Dissertation Research (4 credits)

14 (fourteen) credits in elective courses from the program, from the following options:

- Quantitative Analysis of Pollutants in Aquatic Ecosystems (2 credits)
- Environmental Disasters: The Use of Organisms as Evaluation Tools (2 credits)
- Eco-Physiology of Aquatic Organisms and Conservation of Natural Resources (2 credits)
- Ecology of Estuarine Aquatic Environments (2 credits)
- Field Ecology (4 credits)
- Stream Fish Ecology (2 credits)
- Ecology of Populations, Communities, and Ecosystems (2 credits)
- Human Ecology (2 credits)
- Continental Lentic and Lotic Ecosystems: Function, Diversity, and Conservation (2 credits)
- Elements of Statistical Ecology (2 credits)
- Socioenvironmental Management (2 credits)
- Implications of Management for the Conservation of Natural Resources (2 credits)
- Mitigation of Pollutant Loads from Chemical Process Industries (2 credits)
- Recovery and Restoration of Degraded Areas (2 credits)
- Water and Coastal Management (2 credits)

11 (eleven) credits from the publication of articles during the course in journals with Qualis rankings, books, book chapters, and conference proceedings:

- The credits related to publications will depend on a student request, accompanied by their advisor's statement, and approval by the Graduate Program Committee. The committee will consider the relevance of the publication to the student's research project and the field of Biodiversity, potentially granting up to 4 (four) credits per publication.

4 (four) credits for participation in research and guidance activities developed in the Research Group of their advisor:

- Credits for participation in Research Group activities will depend on a student request, supported by the advisor's statement, and approval by the Graduate Program Committee. The committee will consider the relevance of the activities to the student's research project and will grant up to 2 (two) credits per semester.

15 (fifteen) credits will be awarded upon the successful defense of the Master's dissertation in the respective program.