

Direction

Number of Semesters

4

ECTS

120

About

The Master's in Biodesign explores the potential of living systems and biomaterials to imagine new products, services, and experiences aligned with the ecological transition. Intersecting Biology, Design, and Sustainability, the course delves into the development of new bio-based materials and biofabrication practices, combining scientific rigor, critical thinking, and laboratory experimentation. Through active research and design methodologies, seminars with international networks, industry, and the community, the program prepares professionals capable of transforming knowledge into concrete solutions for an emerging market with a sustainable awareness, where innovation, ethics, and environmental responsibility become a competitive advantage.

Course Plan

Course Structure
1º Ano / General Path
1st Semester
Biodesign Processes and Practices 6 ECTS | Biodesign Project I - Biomaterials and Biofabrication LAB 12 ECTS | Biological Systems and Environment 6 ECTS | Research Methodologies and Laboratory Practices 6 ECTS | 2nd Semester
Biodesign Network I / Seminars with International Collaborations 3 ECTS | Biodesign Project II - LAB Biofuturos 15 ECTS | Circular and Regenerative Systems 6 ECTS | Strategic Design for Sustainability 6 ECTS | 2º Ano / General Path
Semester
Dissertation (Dissertation / Internship Report / Project Work) 45 ECTS | Internship Report (Dissertation / Internship Report / Project Work) 45 ECTS | Project Work (Dissertation / Internship Report / Project Work) 45 ECTS | 1st Semester
Biodesign Network II / Seminars with Partnerships and Industry 3 ECTS | 2nd Semester
Oriented Studio-Laboratory 12 ECTS |