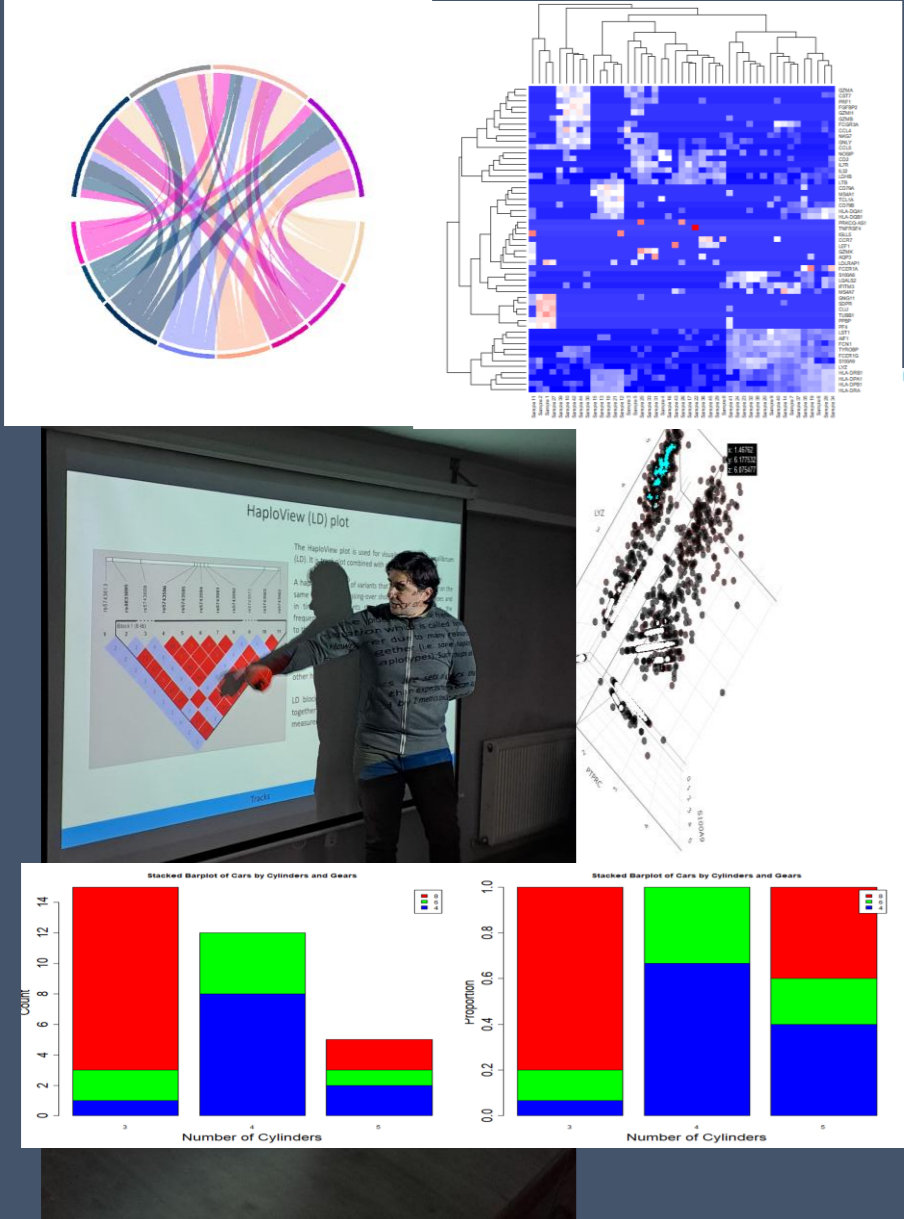


Master's Program Bioinformatics Applied in Life Science (English)



KEY FEATURES

- 120 ECTS credits, 4 semesters, full-time program
- The only Bioinformatics Master's program in Romania taught in English
- Flexible curriculum tailored to biomedical and environmental bioinformatics
- Strong academic and industry network, including collaborations with Romanian and international experts
- Partnerships with private and public entities, providing internship and research opportunities

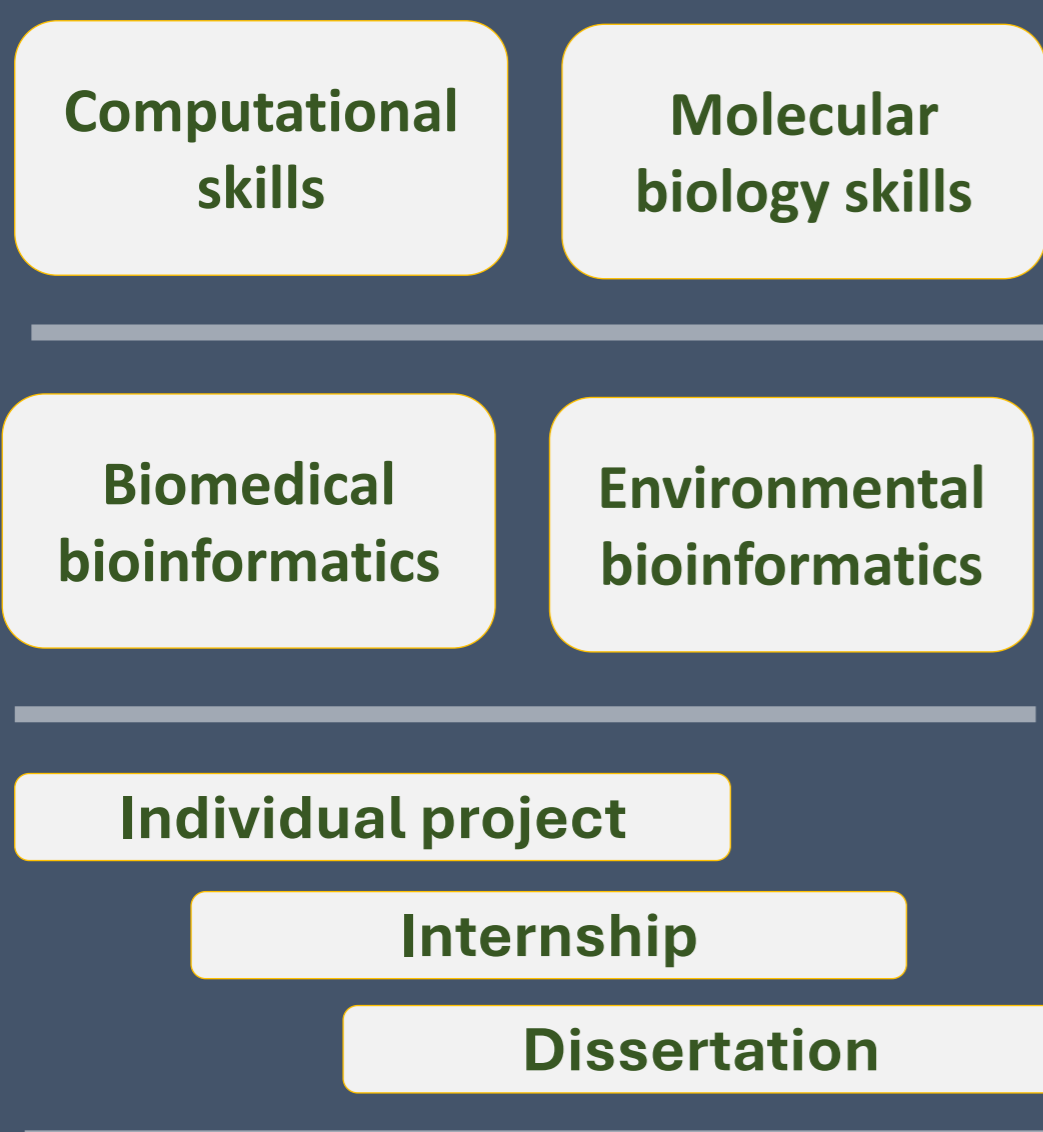
CAREER OPPORTUNITIES

Graduates of this research-oriented Master program can pursue careers in:

- Research and development in life sciences, biotechnology, and genomics.
- Data mining, biocuration, and software development.
- Academic research (PhD) in computational biology and life sciences.
- Roles such as Research assistant in biology/bioinformatics.



CURRICULUM



- ✓ **1st semester:** Introductory courses in molecular biology and informatics to strengthen students' backgrounds.
- ✓ **2nd and 3rd semesters:** Advanced courses including Structural Bioinformatics, Applied Statistics, Advanced Programming, Big Data Processing, and Machine Learning in Bioinformatics. Students can specialize in biomedical or environmental bioinformatics.
- ✓ **4th semester:** Individual research project and internship, with support from over 10 public and private R&D companies.

TARGET CANDIDATES & ADMISSION

- Open to graduates with a background in STEM, life sciences, health and medical sciences, or agriculture.
- Admissions take place in July and September each year.
- Admission score breakdown:
 - ✓ 50% Interview (motivation and graduation thesis topic) and
 - ✓ 50% Graduation average.



Apply in July or September
 to join the program!

See <https://biogeo.ubbcluj.ro/>

