

Educational Programme	Molecular Biotechnology
Degree Awarded	Master in Molecular Biotechnology
Standard Length of Studies (Number of ECTS Credits)	2 years – 4 semesters – 120 ECTS
Type of Study	Full-time
Higher Education Institution	Babeş-Bolyai University
Faculty / Department	Faculty of Biology and Geology, Chair of Experimental Biology
Contact Person	Prof. PhD Nicolae Dragoş
Phone	+40264590118
Fax	-
E-mail	ndragos@biolog.ubbcluj.ro
Profile of the Degree Programme	Molecular Biotechnology degree program
Target Group / Addressees	Graduates in Chemistry, Biology, Biotechnology, Agronomy, Horticulture, Human Medicine, Pharmacy, Veterinary Medicine, Environmental Science
Entrance Conditions	The admission exam consists of a science-based interview designed to test the students' knowledge in the field of the chosen domain. This counts for 30% of the total, while the overall undergraduate average grade represents the remaining 70%.
Further Education Possibilities	The master's programme aims at providing students with the appropriate skills and knowledge for further doctoral studies.
Description of Study	The Molecular Biotechnology Master's Program is an excellent opportunity for the graduates of first cycle higher education to deepen their knowledge and to continue the training of specialists in a field of modern theoretical and applied research purposes. <i>Core courses:</i> Recombinant DNA Technology I, II; Genetics and Molecular Biotechnology; Bioinformatics; Advanced Aspects of Cellular Structure and Ultrastructure; Genome Structure and Evolution; Molecular Microbiology
Purposes of the Programme	The research and academic qualifications are in correspondence with the learning applications and outcomes. The main objective of the program is the formation of high-class specialists in an important domain of biology. As a result, a special curriculum was developed in order to offer the students applied knowledge of high scientific degree in the field of biological research.
Specialization / Area of Expertise	One of the actual applied domains of molecular biology is molecular biotechnology. This is an interdisciplinary field combining genetics, biochemistry and engineering technology.
Extra Peculiarities	-
Practical Training	Having contacts and collaborations with educational, research and industry firms in the country and abroad in the field of molecular biotechnology enables a complex practical training of future specialists.

Final Examinations	Research master thesis
Gained Abilities and Skills	Developing complex knowledge according to the current technological requirements favors the graduates in the labor market integration.
Job Placement, Potential Field of Professional Activity	<p>The acquirement of a complex knowledge according to the current technological requirements</p> <p>Possible job placements:</p> <ul style="list-style-type: none"> - in research and production laboratories; - in biotechnology companies; - food quality control laboratories; - laboratories of testing and approval of new compounds; - researchers and academics in research units or educational institutions.