



Master Programs

Master Program	Chemistry -Biology of Bioactive Molecules
Master Type	<input type="checkbox"/> M1+ M2 Professional <input type="checkbox"/> M2 Professional <input checked="" type="checkbox"/> M2 Research
Teaching Language	<input type="checkbox"/> English <input type="checkbox"/> French <input checked="" type="checkbox"/> Mixed - English & French
Place of Teaching (Campus)	<input checked="" type="checkbox"/> Hadat <input checked="" type="checkbox"/> Fanar <input type="checkbox"/> Tripoli <input type="checkbox"/> Nabatieh
About the Program	<p>The Master 2 in Chemistry-Biology of Bioactive Molecules is a research-oriented graduate program designed to equip students with advanced knowledge and practical skills at the interface of chemistry, biology, and pharmacology, focusing on bioactive molecules. This interdisciplinary program provides in-depth training in drug discovery, molecular pharmacology, biotherapies, and molecular modeling, preparing graduates for doctoral studies or careers in biomedical research and pharmaceutical innovation.</p>
Program Learning Outcomes	<p>This master program learning outcomes</p> <p>Outcome 1- This master prepares students for the methodologies required to understand, design and analyze bioactive molecules by implementation of innovative methods in the interface chemistry-biology. It allows a deep understanding of metabolism, bioavailability, and toxicity of drugs.</p> <p>Outcome 2-It provides students with the essential elements for understanding the mechanisms of interaction of ligands with macromolecules and biological systems for fundamental and applied research.</p> <p>Outcome 3- It initiates students to apply synthetic and computational approaches to drug development and to model molecular interactions, simulate dynamics, and perform virtual screening for drug discovery.</p> <p>Outcome 4- It offers a deep knowledge in the conception and characterization of nanovectors transporting and delivering bioactive molecules. Therefore, graduates of this master's degree will also be able to integrate the following industrial sectors: the drug, cosmetics, agri-food and biotechnology industries.</p> <p>Outcome 5-It allows students to pursue a University PhD in the field of research in pharmacochimistry, cellular and molecular pharmacology and pharmaceutical technology.</p>
Fields of Work	<p>At the end of the Master 2 Research in Chemistry-Biology of Bioactive Molecules, graduates will be able to either join a PhD program to prepare a doctoral thesis in Lebanon or abroad in pharmacochimistry, cellular and molecular pharmacology and pharmaceutical technology. or practice teaching and/or research (research assistant, etc.).</p> <p>They can also integrate a professional activity in the industrial sectors: the drug, cosmetics, agri-food and biotechnology industries.</p>
Admission Requirements	<p>GPA: Minimum GPA of 55/100 for students from Lebanese University Minimum GPA of 3.2 for students from outside Lebanese University</p> <p>Major:</p> <p> <input type="checkbox"/> Chemistry <input checked="" type="checkbox"/> Biochemistry <input checked="" type="checkbox"/> Animal Biology <input type="checkbox"/> Plant Biology <input type="checkbox"/> Math <input type="checkbox"/> Computer Science <input type="checkbox"/> Electronics <input type="checkbox"/> Physics </p>

	☒ Pharmacy and Medicine
Coordinator of Master Program	Pr. Nathalie Khreich <u>Contact information:</u> UL Email address: nathalie.khreich@ul.edu.lb Alternative email: nathalie_khreich@hotmail.com , Phone number): +961- 71 188270