



Master Programs

Please do not exceed one page for all the information

Master Program	Structural Biochemistry: Interactions and Communications of Macromolecules
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 type="checkbox"/> Hadat <input type="checkbox"/> Fanar <input checked="" type="checkbox"/> Tripoli <input type="checkbox"/> Nabatieh
About the Program	<p>The Master 2 Research: Structural Biochemistry "Interactions and Communications of Macromolecules" offers a multidisciplinary training that targets the study of the molecular aspects of macromolecules.</p> <p>This program provides students with knowledge that allows them to decipher the molecular mechanisms of the functioning of living creatures, and aims to form scientists capable of understanding, both on a theoretical and practical level, the concepts and tools related to recent developments in the fields of biochemistry, molecular biology, proteomics, bioinformatics, biophysics, molecular engineering, drug design, gene therapy and biotechnology.</p>
Program Learning Outcomes	<p>1. Know the fundamental concepts of biochemistry at an advanced level, the biophysical approaches for the study of biomolecules and the concepts and techniques of molecular modeling.</p> <p>2. Know how to use the molecular mechanisms linked to define complex biological systems for the design of new bioactive molecules and new therapeutic strategies.</p> <p>3. Ability to collaborate with other scientists, to interpret experimental data, to produce significant original research and to present their work through written, oral, and visual presentations.</p>
Fields of Work	<ul style="list-style-type: none"> • Academic research in several disciplines • Research and development in the food industry, biotechnology, the pharmaceutical industry and environment-related companies • Technical-commercial professions • Continuation of doctoral studies
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: <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>
Coordinator of Master Program	<p>Pr. Achraf KOUZAYHA</p> <p>Contact information: UL Email address: achraf.kouzayha@ul.edu.lb Alternative email: achraf.kouzayha.fs3@gmail.com Phone number (<i>optional</i>): +961- 71 - 904573 </p>