



## Master Programs

Master Program	Applied Microbiology (MICA)
Master Type	<input type="checkbox"/> M1+ M2 Professional <input checked="" type="checkbox"/> M2 Professional <input type="checkbox"/> M2 Research
Teaching Language	<input type="checkbox"/> English <input checked="" type="checkbox"/> French <input type="checkbox"/> Mixed - English & French
Place of Teaching (Campus)	<input type="checkbox"/> Hadat <input checked="" type="checkbox"/> Fanar <input type="checkbox"/> Tripoli <input type="checkbox"/> Nabatieh
About the Program	The Master's program in Applied Microbiology aims to equip students with advanced expertise and practical skills in <b>Microbiology</b> , emphasizing real-world applications across various fields. By integrating theoretical coursework with extensive professional laboratory training, this program prepares graduates for careers in <b>biotechnology, pharmaceuticals, environmental science, and other related fields</b> .
Program Learning Outcomes	<ul style="list-style-type: none"> <li>• Understand the regulatory and quality control requirements in microbiological applications within industries such as pharmaceuticals, food safety, and environmental management, as well as healthcare centers.</li> <li>• Master a wide range of microbiological techniques, including microbial culture, identification and genetic manipulation.</li> <li>• Collaborate effectively within interdisciplinary teams, demonstrating strong communication and leadership skills.</li> <li>• Recognize and address ethical issues in microbiological applications, adhering to professional standards and societal expectations.</li> </ul>
Fields of Work	Graduates of the Applied Microbiology Master's program are well-prepared for a variety of career paths, including: <b>Biotechnology and Pharmaceuticals:</b> Roles in R&D (Research and Development) department and quality control, <b>Environmental Science:</b> Positions in environmental monitoring, bioremediation projects, and waste management, <b>Healthcare:</b> Opportunities in clinical laboratories and public health organizations, <b>Food and Beverage Industry:</b> Careers in food safety and quality assurance.
Admission Requirements	<p><b>GPA:</b>          Minimum GPA of 55/100 for students from Lebanese University          Minimum GPA of 3.2 for students from outside Lebanese University</p> <p><b>Major:</b>  <input type="checkbox"/> Chemistry         <input checked="" type="checkbox"/> Biochemistry         <input checked="" type="checkbox"/> Animal Biology         <input checked="" type="checkbox"/> Plant Biology  <input type="checkbox"/> Math         <input type="checkbox"/> Computer Science         <input type="checkbox"/> Electronics         <input type="checkbox"/> Physics  <input type="checkbox"/> Please add other accepted majors if applicable       </p>
Coordinator of Master Program	Dr Claude Daou  <u>Contact information:</u> UL Email address: <a href="mailto:claudedaou@ul.edu.lb">claudedaou@ul.edu.lb</a> Alternative email: <a href="mailto:claudedaou10@gmail.com">claudedaou10@gmail.com</a> Phone number ( <i>optional</i> ): +961- 03 927666