



Master Programs

Master Program	Medical Physics and Life Imaging
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 type="checkbox"/> Fanar <input type="checkbox"/> Tripoli <input type="checkbox"/> Nabatieh
About the Program	Medical physics is an interdisciplinary science involving the principles and tools of physics and engineering in medicine for diagnostic and therapeutic purposes; particularly in ionizing radiation dosimetry, instrumentation, imaging, modeling, and radiation protection. This program aims to initiate research and train scientific experts in medical physics and imaging at different scales from molecules to humans by providing solid multidisciplinary training. It allows students to acquire a broad spectrum of skills necessary in imaging (X-rays, γ , MRI, ultrasound, photonics, etc.) and medical physics to respond to the problems posed in this vast field and to provide the necessary solutions.
Program Learning Outcomes	<ul style="list-style-type: none"> Understand the basic and advanced concepts and practical methods of the physics of ionizing radiation, physical dosimetry, nuclear medicine, radioprotection, and radiography. Knowledge of the operation of imaging and radiotherapy equipment, technology, and associated risk management. Basic knowledge of methodologies for biomedical research and abiding by norms and regulations. Animating and handling of a research project ensuring conception and innovation in the medical technology domain.
Fields of Work	<ul style="list-style-type: none"> Pursue a PhD program with a partner university for a research and/or education career. Work as a specialized physicist in medical radiation (radiation physicists) responsible for optimizing the uses of radiation in diagnosis and therapy in terms of quantity, efficiency, and patient radiological protection. Work as a specialist in a hospital in the imaging department. Working as a technical framework assuming control of choice and use of imaging devices parks, nuclear medicine, and radiotherapy. Working as a technical framework assuming control of choice and use of imaging, nuclear medicine, and radiotherapy devices.
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 type="checkbox"/> Biochemistry <input type="checkbox"/> Animal Biology <input type="checkbox"/> Plant Biology <input type="checkbox"/> Math <input type="checkbox"/> Computer Science <input checked="" type="checkbox"/> Electronics <input checked="" type="checkbox"/> Physics <input checked="" type="checkbox"/> Biomedical Engineering, Biomedical Physics and related fields </p>
Coordinator of Master Program	<p>Pr. Jamal Charara</p> <p>Contact information: UL Email address: jcharara@ul.edu.lb Alternative email: xxxx@xxx.com Phone number (optional): +961- xx - xxxxxx </p>