



### Master Programs

*Please do not exceed one page for all the information*

<b>Master Program</b>	Lasers and Ionizing Radiations - Safety and Protection
<b>Master Type</b>	<input checked="" type="checkbox"/> M1+ M2 Professional <input type="checkbox"/> M2 Professional <input type="checkbox"/> M2 Research
<b>Teaching Language</b>	<input type="checkbox"/> English <input type="checkbox"/> French <input checked="" type="checkbox"/> Mixed - English & French
<b>Place of Teaching (Campus)</b>	<input type="checkbox"/> Hadat <input checked="" type="checkbox"/> Fanar <input type="checkbox"/> Tripoli <input type="checkbox"/> Nabatieh
<b>About the Program</b>	Sources of Radiations- equipments in medical Field - Quantities and unites- Medical Imaging- Laser applications- Patients Dose- Radiation protection in medical field - Biology- Norms and standards- Quality Assurance program- Quality control. Nuclear security - Authorization- calculation of dose. Research  Radiotherapy - Radiology - nuclear Medicine -lasers in medical filed- Diagnoses and treatments .
<b>Program Learning Outcomes</b>	Quality control - calculation of dose- authorization development the new equipment for new technology.
<b>Fields of Work</b>	Medical physicist- Radiation protection officer- quality control management- auditor- inspector in radiation medical filed authority body
<b>Admission Requirements</b>	<b>GPA:</b> Minimum GPA of 55/100 for students from Lebanese University Minimum GPA of 3.2 for students from outside Lebanese University  <b>Major:</b> <input type="checkbox"/> Chemistry <input type="checkbox"/> Biochemistry <input type="checkbox"/> Animal Biology <input checked="" type="checkbox"/> Plant Biology <input type="checkbox"/> Math <input type="checkbox"/> Computer Science <input type="checkbox"/> Electronics <input checked="" type="checkbox"/> Physics <input checked="" type="checkbox"/> Radiology ( Health Faculty)
<b>Coordinator of Master Program</b>	Pr. Hanna EL BALAA Pr. Joseph Dgheim  <b>Contact information:</b> UL Email address: hanna.elbalaa@ul.edu.lb, jdgheim@ul.edu.lb Alternative email: <a href="mailto:hanna_balaa@yahoo.fr">hanna_balaa@yahoo.fr</a> Phone number ( <i>optional</i> ): +961- 03 -138193 , +961- 03 -162077