



Master Programs

Please do not exceed one page for all the information

Master Program	Nanosciences and Functional Materials
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 checked="" type="checkbox"/> Fanar <input type="checkbox"/> Tripoli <input type="checkbox"/> Nabatieh
About the Program	The Master involves acquiring knowledge in growth and characterization of materials to master the development and properties of nanomaterials and functional materials (nanoparticles, bulk, thin layers, organic-inorganic materials, oxides, polycrystalline, carbon nanotubes, graphene...), with a view to applications in nanotechnology and nanoscience, as well as in power electronics and photovoltaics. More precisely, the objective is to bring students, at the end of the program, to a good mastery of the development and physical processes of crystal growth and advanced characterization of materials used in modern technology. This is a research Master so I will help you find a PhD easily, however the technological aspect and the hands on nature of the research will allow you to join research technological companies later on
Program Learning Outcomes	<ul style="list-style-type: none"> • to master the theoretical concepts of nanosciences and functional materials • to use and master the range of materials growth and characterization techniques • to establish relationships between the structure of the material and its properties in order to optimize its performance and use in advanced technology • to manage a project, to guide technological choices in leading industry
Fields of Work	PhD in materials science and related materials Research and development position for technological companies
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 type="checkbox"/> Electronics <input checked="" type="checkbox"/> Physics <input checked="" type="checkbox"/> Physical Chemistry </p>
Coordinator of Master Program	<p>Pr. Ziad HERRO</p> <p>Contact information: UL Email address: ziad.herro@ul.edu.lb Alternative email: ziadherro@gmail.com Phone number (<i>optional</i>): +961- xx - xxxxxx </p>