



Master Programs

Please do not exceed one page for all the information

Master Program	Subatomic Physics
Master Type	<input type="checkbox"/> M1+ M2 Professional <input type="checkbox"/> M2 Professional <input checked="" type="checkbox"/> M2 Research
Teaching Language	<input checked="" type="checkbox"/> English <input type="checkbox"/> French <input type="checkbox"/> Mixed - English & French
Place of Teaching (Campus)	<input type="checkbox"/> Hadat <input type="checkbox"/> Fanar <input type="checkbox"/> Tripoli <input type="checkbox"/> Nabatieh
About the Program	The "Subatomic Master" program provides an in-depth study of both theoretical and experimental physics. The curriculum includes gauge theory, field theory, the standard model, general relativity, many-body physics, nuclear models, particle detectors, and other relevant topics. In addition to traditional subjects, the program features seminars on the emerging role of consciousness in quantum decoherence and its impact on the quantum-to-classical transition. Students also explore the evolving roles of artificial intelligence and game development in theoretical physics, highlighting innovative approaches to problem-solving and simulation.
Program Learning Outcomes	<ol style="list-style-type: none"> Advanced Theoretical Knowledge: <ul style="list-style-type: none"> Demonstrate a comprehensive understanding of gauge theory, field theory, the standard model, and general relativity. Explain and analyze the principles of many-body physics and nuclear models. Experimental Skills: <ul style="list-style-type: none"> Develop proficiency in the use and understanding of particle detectors. Apply experimental techniques to investigate subatomic particles and phenomena.
Fields of Work	Completing the "Subatomic Master" program opens up diverse career options. You could become a scientist, conducting research in particle physics, or a teacher, sharing your passion for physics with others. You might also work in technology, developing innovative solutions. With your knowledge and skills, there are many exciting paths to explore
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 type="checkbox"/> Please add other accepted majors if applicable </p>
Coordinator of Master Program	<p>Pr. Salah Hamieh</p> <p>Contact information: UL Email address: shamieh@ul.edu.lb Alternative email: hamiehs@yahoo.fr Phone number (optional): +961- 70 - 705442 </p>