



## Master Programs

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

Master Program	Advanced electronic and Smart Systems
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 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	This proposed Master's degree program will be <b>interdisciplinary</b> , covering a range of topics including the <b>automation of complex systems</b> (such as <b>robotics</b> or <b>industrial processes</b> ), <b>advanced software engineering</b> for electronics and <b>intelligent systems</b> , and <b>advanced electronics</b> focusing on integrated circuit design, electronic component reliability, and thermal management of electronic systems. This <b>fusion of electronics and IT</b> presents a valuable opportunity for companies aiming to lead the way in innovation and <b>professional development</b> within the <b>global marketplace</b> .
Program Learning Outcomes	<ul style="list-style-type: none"> <li>▪ <b>Enable students to enhance their proficiency</b> by focusing on specialized fields such as robotics, connected embedded systems, and integrated circuit design, while also fostering a comprehensive understanding essential for effective project management.</li> <li>▪ <b>Promote research and innovation</b> by inspiring students' curiosity and creativity through engaging them in pioneering research projects, conducted in collaboration with industry and research labs.</li> <li>▪ <b>Facilitate interdisciplinary collaboration</b> by promoting dialogue among diverse fields like electronics, computer science, mechanics, and related disciplines. This approach aims to tackle the intricate challenges of contemporary engineering and cultivate a comprehensive problem-solving perspective.</li> <li>• <b>Equip students for diverse career paths</b> by delivering a versatile and adaptable education that prepares them for a multitude of opportunities in industries, research, product development, and beyond.</li> </ul>
Fields of Work	Electronics and robotics engineer, Intelligent systems and integrated circuits designer, Project manager for technological innovation, Advanced technology consultant, PhD.
Admission Requirements	<p><b>GPA:</b> Minimum GPA of 60/100 for students from Lebanese University Minimum GPA of 75/100 for students from outside Lebanese University</p> <p><b>Major:</b>  <input type="checkbox"/> Chemistry    <input type="checkbox"/> Biochemistry    <input type="checkbox"/> Animal Biology    <input type="checkbox"/> Plant Biology  <input type="checkbox"/> Math    <input checked="" type="checkbox"/> Computer Science    <input checked="" type="checkbox"/> Electronics    <input type="checkbox"/> Physics  <input type="checkbox"/> Please add other accepted majors if applicable : <input checked="" type="checkbox"/> electrical engineering </p>
Coordinator of Master Program	<p><b>Dr. Aline MSAED</b>  <b>Contact information:</b>  UL Email address: <a href="mailto:aline.msaed@ul.edu.lb">aline.msaed@ul.edu.lb</a>  Alternative email: <a href="mailto:alinemsaed83@yahoo.com">alinemsaed83@yahoo.com</a>  Phone number (<i>optional</i>): +961- 71 - 235591</p>