



## Master Programs

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

<b>Master Program</b>	Data Analytics and Business Intelligence												
<b>Master Type</b>	<input type="checkbox"/> M1+ M2 Professional <input checked="" 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>	<p>The Professional Master 2 in Data Analytics and Business Intelligence (DABI) is designed to address the growing demand for professionals capable of transforming data into strategic value. The program combines mathematics, statistics, computer science, economics, and engineering to provide an interdisciplinary and industry-oriented education. It equips students with practical and analytical skills in data analysis, machine learning, business intelligence, predictive analytics, big data, and decision-support systems, while emphasising real-world applications, data governance, and digital transformation. The program also includes a corporate internship and industry-based final project to ensure strong alignment with market needs and professional practice.</p>												
<b>Program Learning Outcomes</b>	<ul style="list-style-type: none"> <li>• Apply advanced statistical and analytical methods to explore, clean, transform, and interpret complex datasets (Language R).</li> <li>• Design impactful visualisations and dashboards to communicate insights and support decision-making effectively (Tableau).</li> <li>• Integrate analytics into business functions such as finance, marketing, operations, and risk management.</li> <li>• Apply machine learning and predictive analytics techniques to solve business problems such as forecasting and scoring (Python).</li> <li>• Build and deploy Business Intelligence solutions, including data management, KPIs, and reporting systems.</li> </ul>												
<b>Fields of Work</b>	<p><b>Research and Academia/ Industry and Consulting:</b></p> <ol style="list-style-type: none"> <li>1. Data Analyst / Data Scientist</li> <li>2. Business Intelligence Consultant / BI Developer</li> <li>3. Digital Transformation and Business Consulting</li> <li>4. Data Science Research and Applied Analytics</li> <li>5. Higher Education and Academic Teaching</li> <li>6. Public Policy and Socioeconomic Analytics</li> </ol>												
<b>Admission Requirements</b>	<p><b>GPA:</b>          Minimum GPA of 70/100 for students from Lebanese University          Minimum GPA of 3.5 for students from outside Lebanese University</p> <p><b>Major:</b></p> <table border="0"> <tr> <td><input type="checkbox"/> Chemistry</td> <td><input type="checkbox"/> Biochemistry</td> <td><input type="checkbox"/> Animal Biology</td> <td><input type="checkbox"/> Plant Biology</td> </tr> <tr> <td><input checked="" type="checkbox"/> Math</td> <td><input checked="" type="checkbox"/> Computer Science</td> <td><input type="checkbox"/> Electronics</td> <td><input type="checkbox"/> Physics</td> </tr> <tr> <td><input checked="" type="checkbox"/> Statistics</td> <td><input checked="" type="checkbox"/> Engineering</td> <td><input checked="" type="checkbox"/> Actuariat</td> <td></td> </tr> </table>	<input type="checkbox"/> Chemistry	<input type="checkbox"/> Biochemistry	<input type="checkbox"/> Animal Biology	<input type="checkbox"/> Plant Biology	<input checked="" type="checkbox"/> Math	<input checked="" type="checkbox"/> Computer Science	<input type="checkbox"/> Electronics	<input type="checkbox"/> Physics	<input checked="" type="checkbox"/> Statistics	<input checked="" type="checkbox"/> Engineering	<input checked="" type="checkbox"/> Actuariat	
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