



Master Programs

Master Program	Title: GEOSpatial Artificial Intelligence (GEOAI)
Master Type	<input type="checkbox"/> M1+ M2 Professional <input checked="" type="checkbox"/> M2 Professional <input 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 checked="" type="checkbox"/> Hadath <input type="checkbox"/> Fanar <input type="checkbox"/> Tripoli <input type="checkbox"/> Nabatiyeh
About the Program	GeoAI is the integration of artificial intelligence (AI) with spatial data, science, and geospatial technology to increase understanding and solve spatial problems. GeoAI includes the application of traditional AI techniques to generate spatial data through the extraction, classification, and detection of information from structured and unstructured data. GeoAI is also the use of spatially explicit AI techniques that are designed to solve spatial problems through the analysis of spatial data, and includes techniques for detecting patterns, making predictions, spatiotemporal forecasting, and more.
Program Learning Outcomes	<ul style="list-style-type: none"> • Extract rich geospatial data with deep learning Save time by automating the extraction, classification, and detection of information from data such as imagery, video, point clouds, and text. • Perform predictive analysis using machine learning Build more accurate models. Detect clusters, calculate change, find patterns, and forecast outcomes with spatial algorithms backed by experts. • Improve data quality, consistency, and accuracy Streamline manual data generation workflows by using the power of automation to increase efficiency and reduce costs.
Fields of Work	<ul style="list-style-type: none"> • State and local government • Public safety • National mapping and statistics • Defense and intelligence • Insurance • Business
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 checked="" type="checkbox"/> Math <input checked="" type="checkbox"/> Computer Science <input type="checkbox"/> Electronics <input type="checkbox"/> Physics </p>
Coordinator of Master Program	<p>Pr. Ahmad FAOUR Contact information: UL Email address: ahmad.faour@ul.edu.lb Alternative email: afaour@gmail.com Phone number (<i>optional</i>): +961- 03 - 757933</p>