Master of Geomatics

Master of Social Science
Geomatics **Honours**
Digital Geographies **Studies**

The Master of Digital Geographies is an extension to the STEP-SIG M2 that has been available since 1995 at Jean Monnet Saint-Etienne University.

The 1st year Master's course is held at Jean Monnet University in Saint Etienne and the 2nd year is at Ecole Nationale Supérieure in Lyon and Lyon 2 Lumière University.

Objectives

We provide students with high standard theory, conceptual and practical training in geospatial information technology and their implementation in geomatics as well as several other fields of application and research: environment, risk, development, urban planning, transport, territory, culture, IT etc.

Geomatics and geographic information rank in the "top 10 future professions" and the Master is designed to train students in emerging geomatics applications:
data visualisation, communication, Geoweb, geolocation services, digital humanities and smart city.

Who's it for?

Entry requirements

> The first year of the Master course is available to students with a Bachelor's degree in geography or development, environmental sciences and IT.
> Students from other subjects will have their application reviewed by a board whose decision is final. Admission to the Master 1 may require a bridging course in certain fields.

> Prepare your Master application

> Application terms

Skills

> The Master is designed to provide a core skill set to handle the principles, methods and practices involved in geomatics and specifically geodigital methods: modelling, analysis and geovisualisation of geographical information.

> Graduates will have solid skills in quantitative and qualitative methods of managing and analysing digital geographical information, data structures and current tools used in the sector. They will gain sound IT culture and work on practical projects in a variety of fields of application based on their personal objectives.

What's next?

Prospects

> **Employment in:**
> design offices, service and analysis companies
> network management companies (transport, water, telephone)
> territorial collectivities and nature parks - training bodies
> academic and research establishments (post-Master or PhD).
> **Sample careers:** Geomatics engineer, GIS developer, data administrator, GIS project manager, geographic database manager, cartographer etc.

Course

> 400 hr in M1 + work placement or research dissertation
> 350 hr in M2 + work placement or research dissertation

Membre de
UNIVERSITÉ DE LYON