MASTER SOCIAL SCIENCES
DIGITAL STUDIES AND INNOVATION

ENTRY REQUIREMENTS

The Digital studies and innovation course is designed to develop the applicants' varied backgrounds in science, human and social sciences and engineering science. Students must have a Master's 1 related to one of these subjects.

ACQUIRED SKILLS

Graduates of this specialism are able to mobilise and develop digital methods for sociology, in particular the study of innovation dynamics at work in the scientific, political, economic and social fields. They link up the skills of the sociologist, data analyst and computer scientist. In practice, they understand the opportunities offered to sociological surveys by the increasing number of digitalisation projects, the traces left online by Internet users (the semantic web) and the data produced by connected technology. They know how to construct new challenges in Human and Social Sciences in terms of digital methods and the possibilities offered by big data.

YOUR FUTURE CAREER

The education received in the Master's course leads to the emerging careers in the digital world, particularly those of community manager, social media analyst in social web digital agencies or data analyst in media agencies or e-communication and e-marketing consultancy firms. This Master's degree leads to study posts in institutions responsible for performing social diagnoses, evaluating public policies and disseminating social information (observatories, research institutes, accounting firms, NGOs, regional authorities). The training also enables students to move on to a PhD if they wish.

BENEFITS OF THE PROGRAM

The Digital studies and innovation course is the only one in France which combines digital methods with the analytical frameworks of sociology. There are many digital resources on the site to support the training (Cortext manager, Textobserver/Webobserver, Unitex/Gramlab) developed by teacher-researchers interested in the development of computational sociology. Students have access to co-working areas like NUMA or Laptop where they can quickly become socialised into the digital world.
YEAR 2, SEMESTER 3.

Unit 1 Fundamental instruction 1 (ECTS : 8) - Introduction to the study of science and technology 1 (ECTS : 4) - The Internet and its uses from a social sciences perspective 1 (ECTS : 4)

Unit 2 Investigating on and from digital technology 1 (ECTS : 9) - Information mapping with Cortext manager (ECTS : 3) - Introduction to Internet search and display (ECTS : 3) - Imagining digital sociology (ECTS : 3)

Unit 3 Thesis 1 (ECTS : 7) - Digital methodology seminar for the thesis (ECTS : 7)

Unit 4 options [1 choice] (ECTS : 3) - Data analysis with R (1) (ECTS : 1) - Big data databases (1) (ECTS : 1) - Scientific humanities (1) (ECTS : 1)

YEAR 2, SEMESTER 4.

Unit 5 Fundamental instruction 2 (ECTS : 4) - Introduction to the study of science and technology 2 (ECTS : 2) - Socio-economics of the Web and social media (ECTS : 2)

Unit 6 Investigating on and from digital technology 2 (ECTS : 6) - Opinion search in the social web (ECTS : 2) - Digital data analysis methodology (ECTS : 2) - Imagining digital sociology (2) (ECTS : 2)

Unit 7 Thesis 2 (ECTS : 13) - Digital methodology seminar for the thesis (ECTS : 13)

Unit 8 options [1 choice] (ECTS : 2) - Data analysis with R (2) (ECTS : 2) - Big data databases (2) (ECTS : 2) - Scientific humanities (2) (ECTS : 2)

Unit 9 Conference cycle (ECTS : 3)

Unit 10 Internship (ECTS : 5)