Science-Technology-Health
Specialization in Auton’Hom-e
“Technical and socio-economic solutions for people’s autonomy”

Become an expert in Silver Economy,
Be awarded a master’s degree of the University of Limoges and of the University of Sherbrooke!

Course objectives
The Auton’Hom-e Master’s degree focuses on Smart Homes with a view to supporting people’s autonomy in their home environment. The MSc will appeal to professionals and students wishing to play a leading role as support experts with multidisciplinary teams set up by institutional decision-makers, service providers and manufacturers, whether nationally or internationally. Students who take this course will come away from it with a strong sense of the technical and medico-social notions required to coordinate adequate policies addressing loss of autonomy.

After graduating professionals will pursue a career which involves being mindful of ethics, of people’s life purpose but also of legal and contractual regulations (welfare benefits, housing and accessibility regulations, French and European Healthcare systems). Course contents will also include information management/knowledge management for healthcare, well-being/comfort, care services and intelligent management of adapted home environments.

Skills
Students will learn how to:
- identify and understand the needs expressed by territories with regard to policies addressing loss of autonomy,
- analyse, qualify and quantify needs to propose holistic solutions combining technical, technological, medico-social and socio-economic aspects within a territorial development scheme.

The unique combination of expertise in autonomy and a broad range of interdisciplinary skills across domains make it possible to pursue further academic research in Silver Economy in the broader sense, for example in the fields of Technology, Social Studies, Socio-medical Studies, Socio-economic Studies.

The role of the expert is to
- identify and understand the individual needs of the person with loss of autonomy. Analyse appropriate indicators such as level of dependency, characteristics of housing, surroundings, lifestyle, social status; take into account life purpose, acceptance of new technologies, social and family support;
- convert needs and circumstances into appropriate individualized services and e-services; identify technical solutions to be implemented in the person’s habitat;
- define the degree of implementation of a support system capable of making decisions relating to the management of services and equipment of the habitat;
- suggesting scenarios to the dependent person and her relatives which meet her needs and level of dependency at present and in the future.

A double degree:
a master’s degree awarded by both Limoges University in France and Sherbrooke University in Québec
- the first year with Faculty of Science and Technology of Sherbrooke University (Québec, Canada) (department of computer engineering);
- the first semester of year two with Faculty of Science and Technology of Limoges University, more precisely in Guéret (on Guéret campus and Home Automation Resource Centre);
- the last semester consists of an internship abroad within the consortium. Students will benefit from the geographical and scientific complementarity of the member universities as well as their national and international partners.

Jobs and employment sectors
The Master’s degree gives direct access to the job market, but also to further academic research in technological, medico-social or socio-economic studies. The related professional fields are coordination, social work, as well as care services and technologies. The outcome can also be the creation of certified audit and consultancy micro-enterprises that local authorities will entrust with missions.

Locations
Faculty of Science and Technology of Limoges University - France (www.sciences.unilim.fr)
Faculty of Science and Technology of Sherbrooke University - Québec/Canada (www.usherbrooke.ca)

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