

The new MAN-IMAL
Master's degree programme
starts November 2013
detailed programme available
Spring 2013

Students begin their
internships April 2014



man-imal
One world, one health



**A training offer based on the concept
"ONE WORLD, ONE HEALTH"
structured around the triad animal-man-food**

An IDEFI Laureat programme (Initiatives for Excellence in Innovative Training - IDEFI)



MAN-IMAL is a pioneering French training programme based on the "One world, One health*" concept promoted by the WHO, FAO, and OIE.

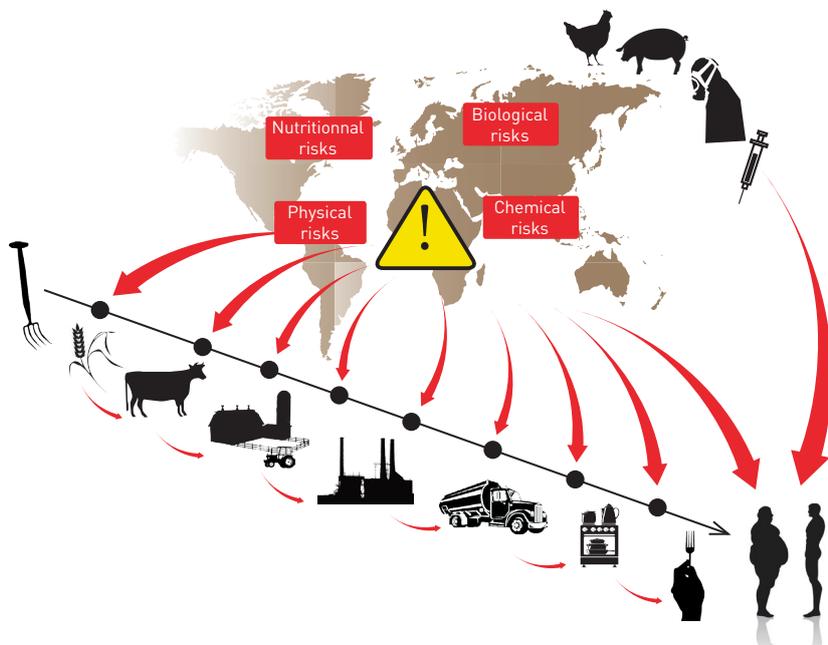
This innovative programme is led by **Oniris, the Nantes-Atlantic National College of Veterinary Medicine, Food Science and Engineering**, in partnership with the **faculties of medicine at the universities of Nantes and Angers and the Ecole Supérieure d'Agriculture (France's national agricultural college) at Angers.**

MAN-IMAL is a response to the vulnerability and insufficiency of production systems and their management of the triad animal-man-food, due to a lack of shared training between the professionals who have a major role to play in public health and food safety (veterinarians, doctors, engineers). By structuring a shared training course, the organisation of these systems as well as the management of sanitary and nutritional risks will be optimised.

By focusing on the triad 'animal-man-food' and reducing compartmentalisation within the health care and food processing industries, MAN-IMAL trains managers and technicians able to join forces to take on the new worldwide challenges of ensuring sufficient and efficient food production chains, associated with the issues of health, food safety and general public health.

The programme distinguishes itself by the multidisciplinary nature of the teaching involved accompanied by the use of **innovative educational methods**. These include **crossover case studies, e-Learning, interventions by industry professionals, and « hands-on » laboratory-based training and internships.**

In this programme, **veterinarians, doctors, pharmacists, engineers and biologists learn to work together**, in order to acquire the same shared culture as well as to share their specific expertise. The objective is to satisfy the current and future requirements of the food-processing and consultancy sectors and in the field of health and quality expertise.

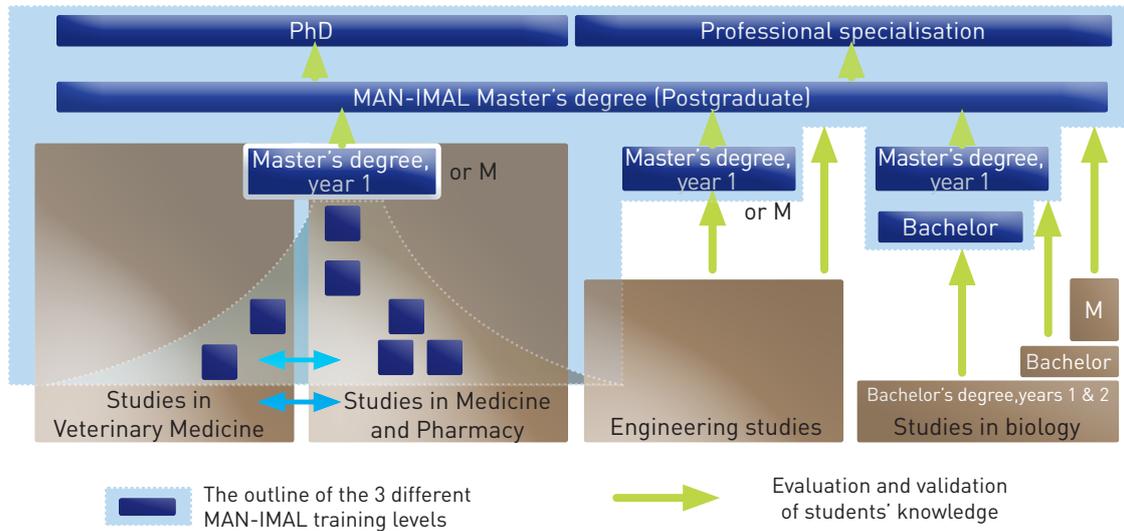


*The recent sanitary crisis highlights the growing globalization of health risks as well as the importance of the human-animal-ecosystem interface in the evolution and emergence of patho-gens. To overcome the limitations of conventional approaches to infectious diseases, a new approach, known as One Health, has been developed in order to strengthen links between human health, animal health and environmental management. The implementation of intersectoral and interdisciplinary collaboration at international, regional and local levels could improve the health and health security of populations

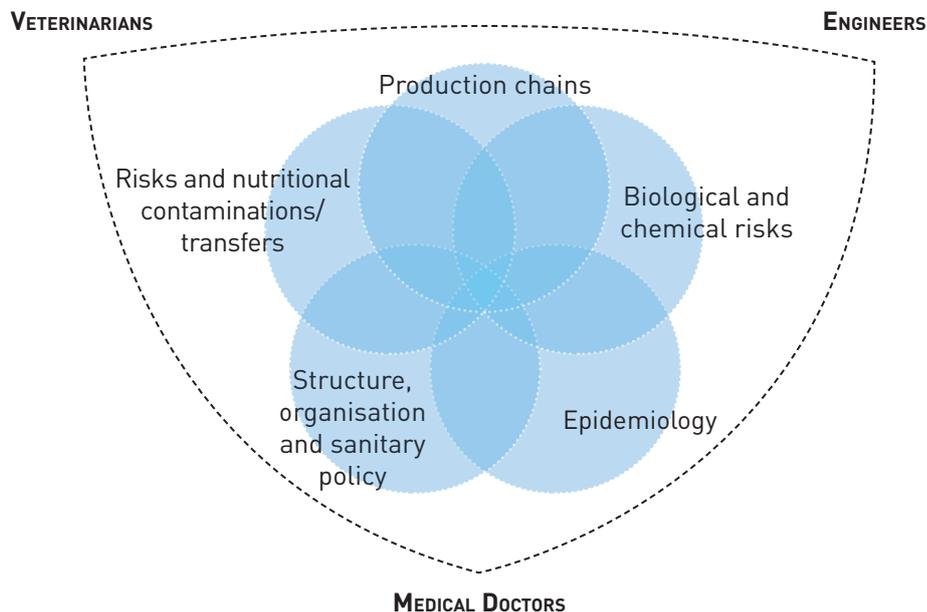
In Position française sur le concept «One Health», Direction générale de la mondialisation, du développement et des partenariats, 2011

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The **MAN-IMAL training programme** is intended for **doctors, pharmacists, veterinarians, agricultural or food-processing engineers, agronomists, and biologists**. The course has **three different training levels: an initial** training based on common scientific knowledge, **a Masters level** offering advanced or additional skills, and an expert level for both PhD students and those seeking professional specialization.



The programme is structured around 5 subject-related blocks. Each of these blocks is jointly led by a trio of experts from complementary disciplines (doctors, veterinarians, engineers), supported by research units in these areas and closely linked to industry professionals.



This programme has led to the creation of a **'Campus ligérien de santé publique et sécurité sanitaire et nutritionnelle' (Pays de la Loire campus for public health and health and food safety)**, integrating educational aspects to research and development. This campus includes Oniris, the universities of Nantes and Angers, the Ecole Supérieure d'Agriculture (France's national agricultural college - ESA) at Angers, INRA, and INSERM.

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Programme labellisé by :

