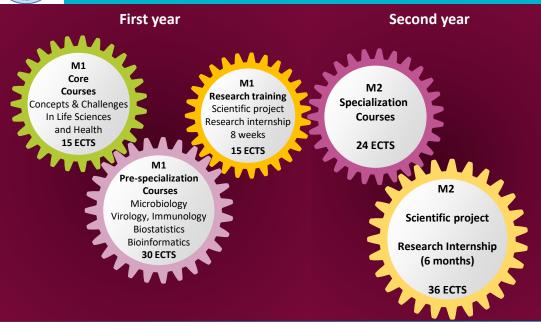




# Life Sciences and Health Master's program International track Infectiology





LSH International Track Infectiology (Biology of infectious diseases) is a 2-year Master program for English-speaking students, fully hosted at University of Health Sciences, Phnom Penh, Cambodia.

Students will need to validate **60 ECTS** (European Credit Transfer System) during each of the two academic years to complete the Master program. For students without a French bachelor/"licence" degree, a **free online upgrading course** is offered prior to selection.

### Program and goals

The aim of the Master's program Infectiology is to provide a solid and broad-based foundation in prominent areas in **Life Sciences and Health**, as well as a high level of competences in **Infectiology**. Pedagogical team includes specialists from reputable international universities and research institutes. Coupled with an intensive internship period in **top level research labs** (Institut Pasteur, Institut Pasteur in Cambodia, Université Paris-Saclay, University of Health Sciences, etc...), students will obtain both **theoretical and practical experience** in Infectiology.

#### M1: Pre-specialization year Core Courses: Genes, Proteins and Cells 15 ECTS Genetics and Genomics Cell Biology Biochemistry and Cell Signaling **Biostatistics** Introduction to Bioinformatics Origin, evolution and biodiversity of microorganisms and infectious diseases Genetics of host-pathogens interactions: 30 ECTS cases studies Bacteriology Parasitology, Mycology Virology Immunology Scientific project 15 ECTS Research laboratory Internship (6-8 weeks)

#### Host-pathogens interactions Virus, bacteria, parasites / cell / immune system Epidemiology of infectious diseases Transmission and control of Human and Zoonotic Diseases Resistance mechanisms to anti infectious agents Vector-borne diseases 24 ECTS (including initiation to medical entomology) Introduction to clinical trial **Advanced Bioinformatics** Bio-security and bio-banking: good practices Data management Sources of data, information on ID, initiation to data manaaement Scientific project 36 ECTS (6 months) ECTS: European Credits Transfer System

M2: Specialization year

- Multidisciplinary teaching
- Theoretical and practical training
- Double diplomas course:
  Université Paris Saclay and
  University of Health Sciences
- Opportunities: academic career, PhD, work for public health organizations, pharmaceutical companies, non-governmental agencies, and research institutes

#### Contacts

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https://www.universite-parissaclay.fr/fr/formation/master/m1-lifesciences-and-health-international-trackinfectiology-cambodia#presentation-m1

## Partners







