



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

M2: Specialization year	
24 ECTS	Host-pathogens interactions <i>Virus, bacteria, parasites / cell / immune system</i>
	Epidemiology of infectious diseases <i>Transmission and control of Human and Zoonotic Diseases</i>
	Resistance mechanisms to anti infectious agents
	Vector-borne diseases (including initiation to medical entomology)
	Introduction to clinical trial
	Advanced Bioinformatics
	Bio-security and bio-banking : good practices
	Data management <i>Sources of data, information on ID, initiation to data management</i>
36 ECTS	Scientific project ↓ Research laboratory Internship (6 months)

ECTS: European Credits Transfer System

- 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-paris-saclay.fr/fr/formation/master/m1-life-sciences-and-health-international-track-infectiology-cambodia#presentation-m1>

## Partners

