Global Public Health (BSc)

How does the health of humans, animals and the planet interconnect? How do stress and nutrition influen ce the occurrence of disease in future generations? Thes e questions sit at the intersection of biomedical and social sciences. In this major you will develop skills to understand how biology, the social and physical environment, medical innovations and health policy contribute to health around the world. We want to highlight the biomedical sciences track, which collaborates with the LUMC and adds a health sciences approach and the health data science track, which combines innovative approaches, such as AI and data science for health.

This major might be for you if you are interested in the following questions:

▷ How will climate change affect the emergence of infectious diseases and living with chronic diseases?
▷ How do individual, structural, and social determinants influence population health?
▷ How can latest technological innovations such as artificial intelligence change medical practice and what are the ethical, legal and social aspects of these innovations?
▷ How can we connect academic and community-based knowledge around health and well-being.

"This major sits at the intersection of biomedical sciences courses with a policy and development approach to health. Being taught by dedicated professionals greatly enriched my understanding of the diversity of expertise and opened my eyes to the many possible paths I could take after graduation. The variety of enriching activities including playing an infectious disease outbreak detective game, debating the ethics of nutritional fortification, and designing my own program gave me critical thinking skills that I use daily in my master's."

Tenny Miller | United States

Core tracks Global Public Health			
Biomedical Sciences	**Health Data Science**	**Health and Development**	**Health Policy and Politics**
Core courses			
100-level *Compulsory core courses (3 of 4)*	· Social Determinants of Health · Global Histories of Health, Medicine and Disease · Healthcare innovation and Artificial Intelligence · Health Systems and Management		
	Biology		
200-level	· Nutrition and Health · Non-Communicable Diseases · Infectious Diseases	· Data Science in Healthcare	· Medical Anthropology	· Global Health Policy · Politics of the Policy Process: Comparative Social Policy
Methodology courses	· 200-level: Geographical Information Systems &Qualitative Research Methods | 200-level: Introduction to Epidemiology · 300-level: Advanced Quantitative Research Methods & Advanced Geographical Information Systems		
300-level	· Health Promotion and Disease Prevention · Maternal and Child Health	· Ethical, Legal and Social Responsibilities of Artificial Intelligence in Health	· Health and Development: A Critical Global Health Perspective *or* Aging and Society · Vulnerability, Gender and the Ethics of Care	· Ethics, Health and Society: Emerging Responsibilities
400-level	**Capstone thesis**		

What does the future hold?

This broad interdisciplinary major prepares you for a future career in global health practice and non-profit/NGO sector focused on health and development.

Graduate Studies

▷ MSc Global Health and Development at Copenhagen University and at University College London
▷ MSc Epidemiology at various universities
▷ MSc Health Economics, Policy & Management at Copenhagen University
▷ MA/MSc Medical Anthropology, University of Amsterdam/Oxford University, UK

Careers

▷ Non-profit/NGO sector working in health and development, humanitarian emergencies
▷ Health policy officer for international or bilateral aid agency
▷ Public health officer (local or state)