

Eligible Master programmes

- **Master of Human Settlements**

The Advanced MSc in Human Settlements (60 ECTS) at the Catholic University of Leuven addresses rapid urbanization and contemporary urban transformations within the scope of sustainable development. This intensive, one-year programme focuses on issues of housing, building and urban transformation in a context of development with scarce resources and pressing social and environmental constraints, including climate change adaptation and natural resource management. The research-oriented programme rests on an interdisciplinary and integrative approach to human settlement design and planning and architecture, urbanism and spatial planning are the core disciplines of the programme. There is a strong cooperation with 4 partners: Wits University (South Africa); Ho Chi Minh City School of Architecture (Vietnam); University of Guayaquil (Ecuador) and Technical University of Kenya (Kenya). Additionally, the Universidade Eduarde Mondiane (Mozambique) and Birzeit University (Palestine) are envisaged partners.

- **Master of Development Evaluation and Management**

The Advanced MSc in Development Evaluation and Management at University of Antwerp focuses on the efforts made by a wide range of public and private actors to promote development in low-income countries. It provides a solid understanding of past and present aid policies of multilateral and bilateral donors, and of the major aid modalities and instruments deployed. The Development Evaluation and Management master course programme is a 1 year master programme (60 ECTS) that offers insights into methodological as well as policy-related, organisational and systemic issues of monitoring and evaluation, its relevance and challenges. The programme offers two tracks with specific objectives and course packages that are intended for different audiences. The first track is primarily macro focused, while the second track focuses mainly on the micro level.

- **Master of Governance and Development**

The Advanced MSc in Governance and Development at University of Antwerp analyses governance problems and possible responses with due account of specific historical pathways of countries and the interaction between the national state level, local society level dynamics and the impact of global developments. The Evaluation and Management master course programme is a 1 year master programme (60 ECTS) and offers two tracks with specific objectives, courses and target audiences. The first track explores governance and development issues against the background of violent conflict and the challenge



of post-conflict state reconstruction. The second track addresses governance and development challenges from the particular perspective of local institutions and poverty reduction.

- **Master of Globalization and Development**

The MSc in Globalisation and Development at University of Antwerp approaches the phenomenon of globalisation in an eclectic perspective, considering both the opportunities it creates and the threats it poses to development and poverty reduction in low and middle-income countries, at the national and the local level. The Globalisation and Development master course programme is a 1 year master programme (60 ECTS) aiming to provide students with a solid understanding of the phenomenon of globalization in its multiple dimensions and to offer them insights and tools to analyse and affect how globalisation impacts on local development and poverty reduction, taking due account of the complexities of the local-global interactions in the multifaceted arenas of globalisation. IOB students can choose to conduct fieldwork or to do an internship abroad.

- **Master of Science in Food Technology**

The MSc in Science in Food Technology is an interuniversity programme (Catholic University of Leuven, Ghent University) that provides multi-disciplinary and specialized professional training in food technology, with the emphasis on postharvest and food preservation engineering on the one hand and food science and technology on the other hand. The Food technology master course programme is a 2 year master programme (120 **ECTS**) The programme intends to equip future personnel with the technical and managerial knowledge, skills and attitudes which they require to contribute successfully to solve problems related to food security through the production of safe foods of high quality.

- **Master of Aquaculture (IMAQUA)**

The MSc in Aquaculture at Ghent University deals with the farming of aquatic organisms, including fish, crustaceans, molluscs and algae. The Aquaculture master course programme is a 2 year master programme (120 ECTS) that prepares students to become highly trained and skilled experts who are able to exploit existing aquaculture potentials in a profitable and sustainable way and to draw and implement strategies for future development in the aquaculture industry. The programme is conceived along a gradient of increasingly specialized and research-driven courses and is organised by the Laboratory of Aquaculture & Artemia Reference Center at Ghent University, a research group that obtained worldwide recognition for its ground-breaking research on live food applications and novel microbial management



tools. There is also intensive collaboration with leading universities and research centers in Europe and beyond (e.g. Stellenbosch, South-Africa and Can Tho University, Vietnam).

- **Master of Cultural Anthropology and Development Studies**

The Advanced MSc in Cultural Anthropology and Development Studies (CADES) is a one-year international master course programme (60 ECTS) that offers students a large international and interdisciplinary platform to deal with development issues from a profound anthropological and culture-specific perspective. The programme aims at capacity strengthening of (future) development workers and -researchers as well as the realisation of culture-sensitivity, and a combined critical-scientific and critical-social attitude within its graduates. CADES has different close partnerships with research institutes and universities worldwide (e.g. Ethiopia, Morocco, Mozambique, South-Africa, Zimbabwe, Ghana).

- **Master of Science in Marine and Lacustrine Science and Management (Oceans and Lakes)**

The MSc in Marine and Lacustrine Science and Management is an interuniversity programme (University of Brussels (VUB), University of Antwerp, Ghent University) that addresses research and management for wise use of all type of aquatic bodies: oceans, coasts, rivers and lakes and river catchments. Human livelihood depends on 'aquatic ecosystems' directly through resources derived from them, but less conspicuously through the ecosystem services they offer. Many water bodies are transboundary, many are of global concern and most are in developing countries. This dictates the need for knowledge and for understanding of ecological processes. The 2-year programme (120 ECTS) welcomes participants from developing countries jointly with 'North' students in order to exploit complementary expertise and strengths through peer training, while promoting North-South and South-South networking. MSc research is hands-on and predominantly (for VLIR scholarship holders) or frequently (for non-DC students) in development-specific contexts. Apart from intensive course and practical training in Flanders following 4 major and specialised trajectories, the present call includes the development and the inclusion of a concrete South component, with ECTS. 'Oceans & Lakes' has enjoyed a high professional and home institution return rate and hence can boast of effective capacity-building impact.

- **Master of Epidemiology**

The MSc in Epidemiology at University of Antwerp focusses on the occurrence of health-related states or events in human populations and its determinants in order to identify targets for preventive healthcare. Students will acquire knowledge in epidemiological methods, bio-statistical methods, and public health, and specialize in one of three tracks: infectious disease epidemiology, clinical epidemiology, or environmental and chronic disease epidemiology. Graduates from the programme will have the knowledge and skills to make valuable contributions to health related research and public & community health policy and practice in low and middle income countries. The Epidemiology master course programme is a 2 year master



programme (120 ECTS) and has partnerships with universities and research institutions worldwide, allowing students to perform research activities in the South.

- **Master of Agro-and Environmental Nematology**

The MSc in Nematology at Ghent University deals with the fundamental as well as applied aspects of Nematology, concerning all groups of nematodes in all possible environments: natural soils, agricultural soils, aquatic sediments of freshwater, or marine habitats. It fulfils the needs at an international level for training and delivering highly qualified nematologists, ultimately furnished a multidisciplinary knowledge in all fields of nematology and related sciences. The Nematology master course programme is a 2 year master programme (120 ECTS) organised in close collaboration with Jimma University (Ethiopia) and IITA-icipi Nairobi (Kenya), allowing the organisation of summer courses, mobility tracks, traineeships etc. in the South.

- **Master of Rural Development**

The joint MSc in Rural Development (IMRD) at Ghent University, also part of the European Commission's Erasmus Mundus JMD programme, offers the opportunity to become an international expert on rural development in its diversity of approaches and applications. The IMRD master course programme is a high-level academic programme aimed at training top students from all over the world into specialists in integrated rural development, focussed on socio-economic and institutional aspects. The IMRD master course programme is a 2 year master programme (120 ECTS) jointly organised by 16 worldwide leading universities in rural development and agricultural economics. The methodology consists of a combination of basic and specialised training in technical, economic and social sciences, a case study of one month, an individual master thesis and a high extent of student and scholar mobility

- **Master of Statistics**

The MSc in Statistics at the University of Hasselt combines a solid study of principles of applied and biostatistics with up-to-date information on topics such as clinical trials, public health, longitudinal data, survival analysis, genetics and survey methodology. The 2 year (120 ECTS) master course programme acquired accreditation from the prestigious Royal Statistical Society and offers three specializations: Biostatistics, Bioinformatics and Epidemiology & Public Health Methodology. Graduates from accredited courses will be granted the Society's professional status of Graduate Statistician on application. Graduate Statistician is a grade of professional membership of the Society. It provides formal recognition of an individual's statistical qualifications and allows to further undertake suitable professional training and experience.

- **Master of Water Resources Engineering**



The Master in Water Resources Engineering (WRE) programme provides multi-disciplinary training in the disciplines that underpin integrated water resources engineering, focusing on the use of numerical simulation tools and on integrated water management. This 2-year MSc programme (120 ECTS) aims to equip future professionals and scientists with the scientific, technical and managerial knowledge, attitudes and skills they need to successfully plan, design, operate and manage water resources projects; and advise and support authorities in decision-making and the development of policies and regulations that enhance the safe exploitation and re-use of water, the equitable distribution and the conservation of the local, regional and global water resources. Core partners of the programme are the University of Cuenca (Ecuador), Arba Minch University (Ethiopia), and NM-AIST (Tanzania).

- **Master of Sustainable Development**

The main objective of the MSc in Sustainable Territorial Development is to train students to become the agents of change that will imagine, trigger and build the sustainability transition of the twenty-first century in the Global South. The distinctive strength of this Master is its interdisciplinary character bridging societal and ecological sustainability challenges. Its educational ambitions and activities go beyond the dualistic perspective on nature and society, which is still prevalent in contemporary education, research, development cooperation and public policy in the sustainability and resilience field. This 2 year Master course programme (120 ECTS) offers a transversal core programme on sustainable development and 2 tracks of specialization: a Space & Society track and an Ecology track.

- **Master of Transportation Sciences**

The MSc in Transportation Sciences (120 ECTS) at University of Hasselt is a multidisciplinary master programme with a unique focus and approach to road safety in developing countries. Students are trained to identify transportation and road safety issues in order to create innovative solutions by using an integrative approach based on three pillars: the individual (dealing with the human behaviour in traffic and how to influence it e.g. intentional and unintentional riskful behaviour such as drunk driving or cognitive impairments), the environment (e.g. creating self-explaining roads and infrastructure that minimizes crash impact) and the society (e.g. societal norms and translation into policy and enforcement measures). Road safety in this programme is approached as a cross-border field, incorporating elements of psychology, economy, urban planning, environmental studies, engineering and more.