

Goals

Innovative responses to the challenges of social and environmental unsustainability, similar to those of the Sustainable Development Goals and the 2030 Agenda established by the United Nations, that have already been addressed in some organisations and institutions in the field of development and sustainability.

In order to answer these challenges, it is essential to train experts, professionals and researchers to feed this agenda with analytical and technical support. Therefore, this Master is oriented toward the generation of these new profiles.

This Master is unique in Spain as it combines the skills derived from the social sciences and technical knowledge in engineering fields related to development. This interdisciplinarity provides professors from very different branches of knowledge. Thirty-five professionals from both universities are involved, with eight schools and faculties concerned in the programme and more than a dozen university departments.

This programme offers an interdisciplinary and multicultural environment, with students from more than 20 countries.

The programme aims to prepare students (with or without professional experience) in the development field with different backgrounds. Students from history or communication to architecture or agricultural engineering are welcome with an eye to work in their field of development. The offer primarily aims to cover the maximum number of areas in development strategies and projects (gender issues, the challenges of access to essential services, the role of institutions and networks and alliances in development processes). This approach to development completes the students' previous training.



Goals

We meet the challenge of seeking innovative answers to the defiance of social and environmental unsustainability, embodied in the 2030 Agenda for Sustainable Development and the SDGs set by the United Nations.

We train professionals to introduce fresh approaches in development and sustainability fields, whether for the public, private, or non-profit areas.

The previous five editions of the MSc Degree in Technology for Human Development – UPM, and the postgraduate Degrees, MScs and continuous training in international cooperation of the UCM have provided us with constant learning. This MSc Degree, unique in Spain and few similar at international level, generates an interdisciplinary environment with students from both the technical field and social sciences.

Target group:

Graduates from engineering, architecture, as well as from social, political, and economic sciences. Professionals in cooperation, development, and sustainability fields, (Development NGOs, international organizations, Public Administration, CSR departments...).

Graduates from other areas, with a great vocation for work in the development and sustainability fields.

Branch: Social and Legal Sciences
Area: Management and Organisation
Orientation: Academic / Professional
Duration: 3 Semesters
Education: Attendance-based
Language: Spanish
Public price: Anually established by CAM

Contact details:
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Escuela Técnica Superior de Ingeniería
Agronómica, Alimentaria y de Biosistemas

MSc Degree in Strategies and Technologies for Development

Cooperation in a Changing World



UNIVERSIDAD
POLITÉCNICA
DE MADRID



ETS de Ingeniería
Agronómica, Alimentaria
y de Biosistemas



UNIVERSIDAD
COMPLUTENSE
MADRID



MONCLOA
campus de
Excelencia
Internacional

MSc in Strategies and Technologies for Development

ETSIAAB

Structure

FIRST SEMESTER	COMMON TRAINING	30 ECTS
SECOND SEMESTER	POLITICS BRANCH (COMPULSORY COURSES FOR THIS BRANCH)	20 ECTS
	TECHNOLOGY BRANCH (COMPULSORY COURSES FOR THIS BRANCH)	20 ECTS
	ELECTIVE COURSES	10 ECTS
THIRD SEMESTER	PRACTICES AND FINAL MASTER DEGREE PROJECT	30 ECTS

I.I COMMON MODULE. First Semester	ECTS	SEM
Development Fundamentals	5	1
Cooperation System: Actors, Instruments and Policies	5	1
Policies to Promote Gender Equality	5	1
Transformations towards Environmental Sustainability	5	1
Networks and Partnerships for Development	5	1
Systems Development Life Cycle Models and Methodologies	5	1

II.I MODULE: BRANCH (Politics Branch)	ECTS	SEM
Economic Development: Fundamentals and Policies	5	2
International Relations and the Multilateral System	5	2
Institutions, State and Governance in Development Processes	5	2
Quantitative Methods to the Analysis of Development	5	2

II.II MODULE: BRANCH (Technology Branch)	ECTS	SEM
Territorial Planning and Development	5	2
Appropriate Technologies of Basic Habitability	5	2
Appropriate Technologies for the Universalization of Basic Services	5	2
Information and Communication Technologies for Development	5	2

II.III MODULE: ELECTIVE COURSES (for both branches)	ECTS	SEM
Aquaculture	2,5	2
GIS and IDEs Application in Development Project	2,5	2
Agri-Food Value Chain	2,5	2
Competences and Guidelines for Master Thesis	2,5	2
Migration and Development	2,5	2
Community Forestry	2,5	2
Elements of Agriculture for Development	2,5	2
Innovation, Development and Entrepreneurship	2,5	2
Microfinance	2,5	2
New Trends in Cooperation	2,5	2
International Inequalities, Development and Global Justice Policies	2,5	2
Qualitative Methods to the Analysis of Development	2,5	2
SDGs and the Transformation of Organizations	2,5	2

Both branches must be completed with four elective courses

III. MODULE: INTERNSHIP AND FINAL MASTER DEGREE PROJECT	ECTS	SEM
Professional Practice Presentation	2	Undefined
Professional Practice	13	1
Final Master Degree Project	15	1

This Master promotes interdisciplinary profiles to face the challenges of Development and Sustainability.