Why studying this MSc Degree?

The students of this MSc acquire both the professional attributions for the exercise of the agricultural engineer profession and excellent training in the farming economy area, currently so in demand.

Besides, students will be able to access any of the PhD programmes taught at the ETSIAAB, at the end of this programme.

Goals:

This MSc intends to join a global agronomic training with an economic education allowing students to guide their career in the Agricultural, Food, and Environmental area. The MSc Degree in Agricultural Engineering (Enabling MSc Degree) and the MSc Degree in Economics of Agriculture, Food, and Natural Resources are attained.

Target group:

This programme is aimed at BSc graduates in Agricultural, Food, or Agro-Environmental Engineering with a homologated degree in Spain. Moreover, according to UPM regulations, applicants must provide proof of the B2 level of English language (according to the Common European Framework of Reference for Languages) to get enrolled in this Double MSc Degree.

Branch: Engineering and Architecture
Area: Agroforestry Engineering and Environment
Orientation: Academic/Professional
Credits: 140 ECTS
Duration: 4 Semesters
Education: Presence-based
Number of places: 20
Language: Spanish

Contact details:

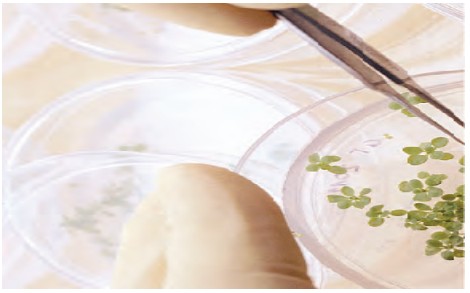
Departamento de Economía Agraria, Estadística y Gestión de Empresas
Escuela Técnica Superior de Ingeniería Agronómica, Alimentaria y de Biosistemas (ETSIAAB)
masterecoagra.etsiaab@upm.es

Postgraduate Secretary's office:

secretaria.postgrado.etsiaab@upm.es
Tfno.: 910 670 766

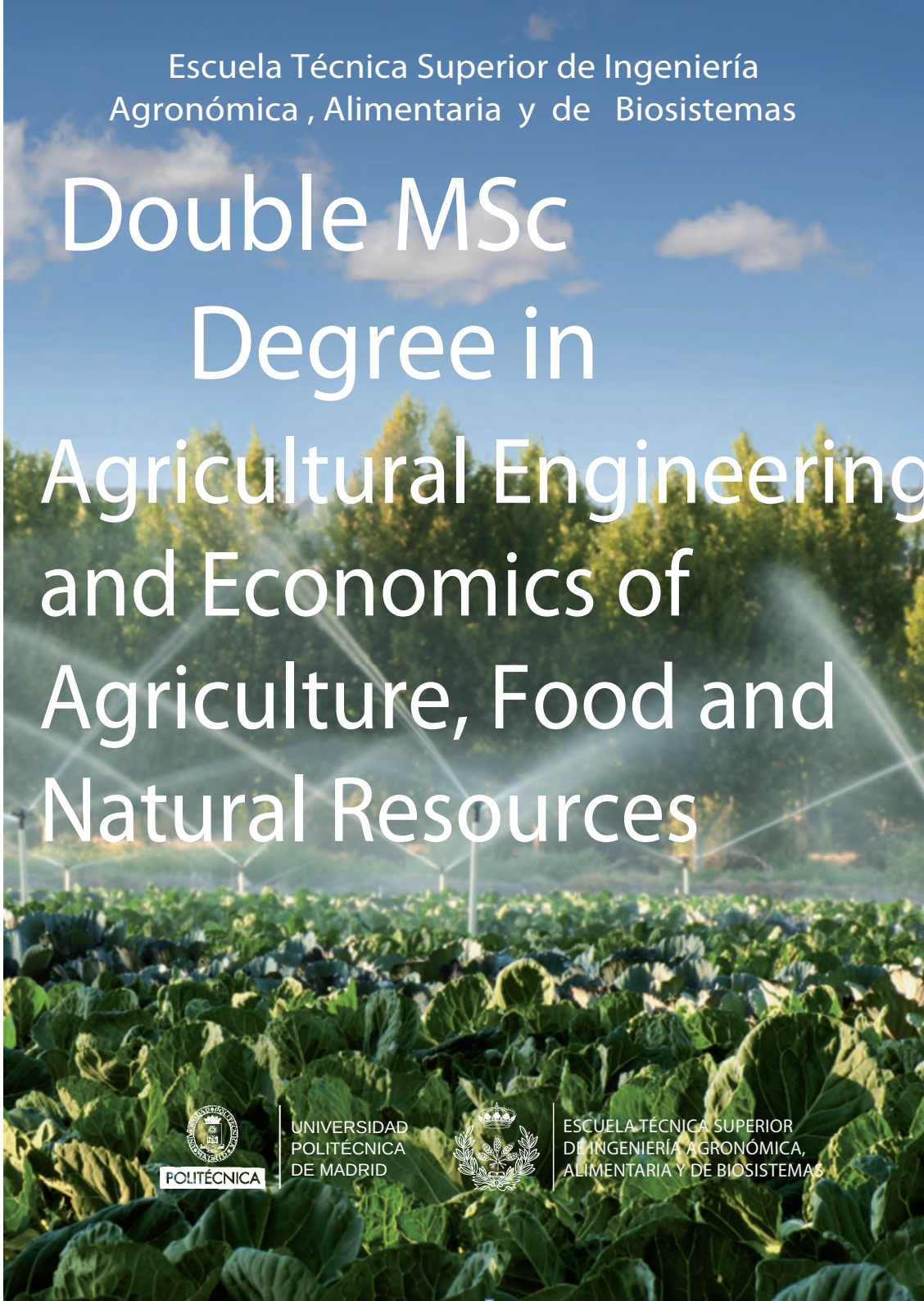
For more information and registration:
https://www.etsiaab.upm.es/Docencia/Masteres

** The subjects will be taught in Spanish if all the students are Spanish-speaking.*



Escuela Técnica Superior de Ingeniería Agronómica , Alimentaria y de Biosistemas

Double MSc Degree in Agricultural Engineering and Economics of Agriculture, Food and Natural Resources



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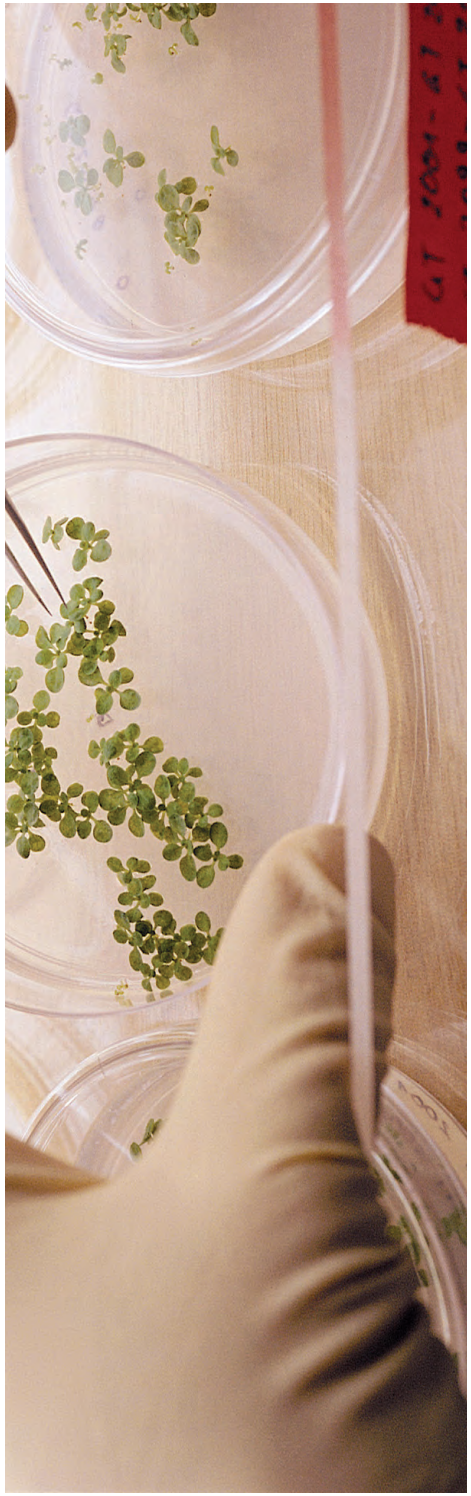

Double MSc Degree in Agricultural Engineering and Economics of Agriculture, Food and Natural Resources

ETSIAAB

Structure

MODULE I	COMPULSORY COURSES OF THE MSC DEGREE IN AGRICULTURAL ENGINEERING	72 ECTS
MODULE II	COMPULSORY COURSES OF THE MSC DEGREE IN ECONOMICS OF AGRICULTURE, FOOD AND NATURAL RESOURCES	34 ECTS
MODULE III	ELECTIVE COURSES OF THE MSC DEGREE IN AGRICULTURAL ENGINEERING OR THE MSC DEGREE IN ECONOMICS OF AGRICULTURE, FOOD AND NATURAL RESOURCES	12 ECTS
MODULE IV	FINAL MASTER DEGREE PROJECT IN AGRICULTURAL ENGINEERING	12 ECTS
MODULE V	FINAL MASTER DEGREE PROJECT IN ECONOMICS OF AGRICULTURE, FOOD AND NATURAL RESOURCES	12 ECTS

To combine comprehensive agricultural with economic training to promote students' orientation towards careers in the farming, food and environmental sectors

Curriculum

COMPULSORY COURSES OF THE MSC DEGREE IN AGRICULTURAL ENGINEERING	ECTS	SEM
Agricultural Policy and Rural Development	4	1
Intensive Vegetable Production	6	1
Animal Production Engineering	6	1
Marketing and Marketing Research	4	1
Statistics Applied to Agricultural Engineering	5	1
Project Engineering	5	1
Irrigation Systems and Water Resources Management	4	2
Management of Farm Machinery and Equipment	4	2
Rural Constructions and Infrastructures	4	2
Rural and Landscape Planning	4	2
Biotechnology and Plant Breeding	6	2
Animal Production Management	4	2
The Quality Management and Food Safety	4	2
Business Administration and Logistics	6	3
Food Productions Industry Systems	6	3

COMPULSORY COURSES OF THE MSC DEGREE IN ECONOMICS OF AGRICULTURE, FOOD AND NATURAL RESOURCES	ECTS	SEM
Agro Economic Models	4	1
Social Research Tools	4	2
Applied Microeconomics	4	3
Statistical and Econometric Techniques	4	3
Environmental Economics and Policy	4	3
Agriculture and Economic Development	4	3
Business Creation	4	4
Risk Management	4	4

ELECTIVE COURSES (Min. 2 ECTS)	ECTS	SEM
Human Resource Management	2	3
Social Economics	2	3
Business Financial Management	4	4
Enterprise Practices	Max. 12	Undefined

ELECTIVE COURSES (Max. 10 ECTS)	ECTS	SEM
Bioenergy	4	3
Precision Agriculture	4	3
Fruit Culture	4	3
Modern Animal Processing Industries Technologies	4	3
Modern Vegetable Processing Industries Technologies	4	3
Diffuse Agricultural Pollution Management	4	4
Utilization and Valorisation of Byproducts from the Food Industry	4	4

The student must take 12 ECTS of elective courses

FINAL MASTER DEGREE PROJECTS	ECTS	SEM
Final Master Degree Project (MSc Degree in Agricultural Engineering)	12	Undefined
Final Master Degree Project (MSc Degree in Economics of Agriculture, Food and Natural Resources)	12	Undefined

OFFICIAL JOINT STUDY PROGRAMME
(PCEO, by its Spanish acronym)

Partners

ceigram

cajamar

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