

# PROGRAMME INFORMATION



## UNIVERSITY MASTER'S DEGREE IN METHODOLOGY OF BEHAVIORAL SCIENCES AND HEALTH

CÓDIGO 220101



**UNIVERSITY MASTER'S DEGREE  
IN METHODOLOGY OF BEHAVIORAL  
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## University Master's Degree in Methodology of Behavioral Sciences and Health

### INFORMATION IDENTIFYING THE QUALIFICATION

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#### Name and status of awarding institution

Universidad Autónoma de Madrid, Universidad Complutense de Madrid and Universidad Nacional de Educación a Distancia.

Public university.

#### Name of qualification and title conferred in original language

Máster Universitario en Metodología de las Ciencias del Comportamiento y de la Salud por la Universidad Autónoma de Madrid, (Interuniversitario UAM – ECM – UNED) por la Universidad Complutense de Madrid y por la Universidad Nacional de Educación a Distancia.

#### Status

National joint degree with national validity.

Approved by Accord of the Council of Ministers on June 4th, 2010.

#### Main field(s) of study for the qualification

The study is included in the field of Health Sciences.

#### Language(s) of instruction/examination

The degree is taught in Spanish.

### INFORMATION ON THE LEVEL OF THE QUALIFICATION

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#### Level of qualification

Level 3 (Master) in the Spanish Framework of Higher Education (MECES) is equivalent to level 7 of European Qualification Framework (EQF).

#### Official length of programme

The official length of programme is 90 ECTS and 18 months full time.

### Access requirements

Bachelor's Degree in Psychology or related (Health Sciences, Social Sciences, Education, etc.). Bachelor's Degree or no related Degree with training complements Engineering or no related Degree with training complements.

## INFORMATION ON THE CONTENTS

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### Mode of study

Distance learning full time (UNED) and presential (UCM and UAM)

### Programme requirements

The programme of studies is composed of 30/24 compulsory ECTS, 42/48 elective ECTS and 18/18 Master's Dissertation ECTS.

### Subjects

- Basic Research Designs
- Basic Psychometrics
- Basic Data Analysis
- Advanced Research Designs
- Data Analysis and Statistical Models
- Measurement
- Measurement
- Cognitive Processing Models
- Computer Methods
- Linear Models
- Structural Equation Models
- Clustering Techniques
- Nonparametric Statistics
- Validity
- Irt: Models
- Irt: Applications
- Scaling Methods
- Measurement in Clinical Environments
- Epidemiological Research
- Doing Research
- Survey Research
- Program Evaluation
- Meta-Analysis

- Qualitative Methodology
- Missing Values and Response Allocation
- Nonlinear Models
- Loglinear Models
- Neural Network Models
- Simulation Techniques
- Introduction to Bayesian Analysis Data
- Bibliografic Search Skills
- Analysis of Signals and Systems
- Meta-Analysis
- Methodology Basics
- Work in Company/Personal Work
- Bayesian data analysis
- Neuroimaging analysis
- Supervised machine learning
- Unsupervised machine learning
- Factor analysis
- Analysis of social and psychometric networks
- Programming in Python
- Advanced programming in R
- Psychophysical methods
- Master's Thesis

### Grading scheme

In the Spanish university system, modules/courses are graded on a scale of 0 to 10 points with the following qualitative equivalence:

0-4.9: "suspenso"; 5-6.9: "aprobado"; 7-8.9: "notable"; 9-10: "sobresaliente". A special mention, "Matrícula de Honor" may be granted to up to 5% of the students in a group provided they have got a "sobresaliente". To pass a module/course it is necessary to get at least 5 points.

In cases of recognition of ECTS, professional experience, cultural or sports activities, or student representation no grading will be recorded but, where appropriate, the word "Apto".

## INFORMATION ON THE FUNCTION OF THE QUALIFICATION

### Access to further study

This qualification gives access to Doctoral studies, provided that the student has completed a minimum of 300 ECTS in the overall teachings of Bachelor and Master.

Stated objectives associated with the qualification and professional status (if applicable)

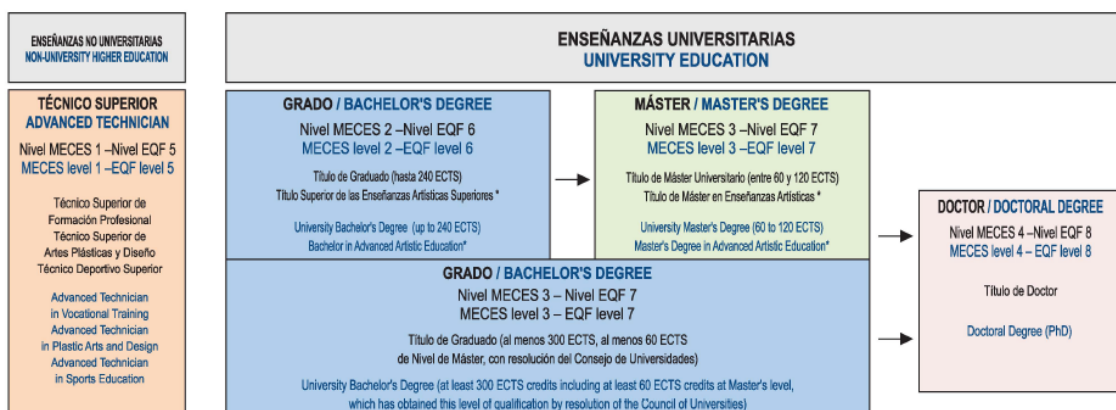
The main aim of this degree is developing critical reasoning and the capability to perform data analysis with the available information; identifying the needs and demands of the contexts that require the use of methodological tools and learn to come out with the appropriate solutions; planning the research, being able to identify problems and needs, and carry out each of the steps needed in the process.

The main learning outcomes and competencies acquired are awareness of the importance of the Methodology for the acquisition and development of scientific knowledge, and on the importance of the methodological diversity to address different problems of knowledge. Furthermore, another important aim is to train professionals on the different area of Methodology in Social and Health Sciences

## ADDITIONAL INFORMATION

<http://www.metodologiaccs.es/>

## INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM



\* Las enseñanzas Artísticas Superiores son Enseñanzas no Universitarias dentro del Sistema Educativo español de Enseñanza Superior  
 \* Advanced Artistic Education is non-university education within the Spanish Higher Education System