



DOUBLE DEGREE PROGRAMME

with Konstanz university

The first year will take place in Germany/Konstanz

TERM 1 - Courses	ECTS
Advanced Econometrics	10
Advanced Macroeconomics I	10
Advanced Microeconomics I	10

TERM 2 - Courses	ECTS
Four courses and one seminar from the following areas:	
Advanced Microeconomics II	6
Applied Time Series	8
Choose between:	
Computational Economics	10
International Monetary Economics	8
Political Economy	10
Economics of taxation	8
Risk Management	8
Labour market search	10

The second year will take place in France/Marseille

The student may choose between one of the four tracks:

Track 1 - Empirical and theoretical economics (ETE)

TERM 3 - Courses	ECTS
Common core - Advanced macroeconomics - Advanced microeconomics - Advanced econometrics	9
Economics of networks - Development economics - Economics of networks - Development economics	6
Introduction to research - Research questions	3
Elective teaching units (choose 1 among 2) - Political economy - Incentives theory - Macroeconomic cycles - Automatic model selection methods	6 6 6
Elective teaching units (choose 1 among 2) - Public choice - International trade - Health economics - Environmental economics	6 6 6
TERM 4 - Courses	ECTS
Research methodology	4
Research dissertation or end-of-study internship with report and defence	20
Elective teaching units (choose 1 among 2) - Labor economics - Labor econometrics - Theoretical econometric - Dynamic macroeconomics	6 6 6

Track 2 - Economic policy analysis (APE)

TERM 3 - Courses	ECTS
Methodology - Writing and oral communication training - Project management	6
Decision-making support: quantitative methods - Quantitative tools in economics - Econometrics of impact assessment	6
Contemporary economy issues - Applied economics issues - Transitions and economic policies - Big data and economics	9
Elective teaching units (choose 3 among 6) - Economics, finance and crises - Programming for Big Data (Python, SQL, noSQL, etc) - Development economics - Health economics - Environmental economics - Housing economics	9 3 3 3 3 3 3
TERM 4 - Courses	ECTS
Knowledge of the professional environment - Corporate strategy - Collaborating with public organizations	6
End-of-study internship with report and defence	24

Track 3 - Econometrics, Big Data, Statistics (EBDS)

TERM 3 - Courses	ECTS
Languages, softwares and tools for Big Data - Programming for Big Data (Python, SQL, noSQL, etc) - Software for big data	6
Advanced econometrics I: theory and applications - Methodology of econometrics and statistical studies - Advanced econometrics - Nonparametric methods in econometrics	9
Advanced methods in Big Data - Automatic model selection methods - Predictive methods - Machine learning and statistical learning	9
Applications for Big Data: elective teaching units (choose 2 among 4) - Big data and economics - Big data and quantitative marketing - Big data and finance - Big data: other applications	6 3 3 3 3
TERM 4 - Courses	ECTS
Advanced econometrics II: theory and applications - Transition and duration models - Models for truncated and censored variables - Multivariate and non-linear time series	9
End-of-study internship with report and defence	21

Track 4 - Quantitative finance and insurance (FQA)

TERM 3 - Courses	ECTS
Theory of financial markets - Models of finance - Portfolio management	6
Economic and financial analyses - Corporate finance I - Economics of risk and insurance	6
Mathematics and statistics for finance - Stochastic finance - Econometrics of banking and finance	6
Quantitative methods in finance and insurance - Big data and finance - Actuarial science I	6
Economics of finance - Economics, finance, and crises - Innovation and finance	6
TERM 4 - Courses	ECTS
End-of-study internship with report and defence	24
Elective teaching units (choose 2 among 4) - Numerical methods for finance - Actuarial science II - Corporate finance II - Credit risk	6 3 3 3 3



CONTACTS

Please do not hesitate to contact us if you have any question or concern.

Aix-Marseille School of Economics

infoecole@amse-aixmarseille.fr

<http://amse-feg.univ-amu.fr/>

October 2022

© Photos by Jacob Hoferlin on Unsplash & dietwalther, Mirko on Adobe Stock