



UNIVERSITÀ  
DEGLI STUDI  
FIRENZE

School of Economics  
and Management

master of science

**Economics and development**

# MSc in **ECONOMICS AND DEVELOPMENT**



**Master Program**  
***(LM56 Scienze dell'Economia)***

# Info on the web

- **MSc website: <https://www.development-lm.unifi.it/>, in particular select Master Programme and then Presentation**
- **Enrollment info**
- **Booklet (in page Presentation in the website)**
- **Testimonials**
- **The platform FEDERICA offers videos on MSc presentation, brief lectures from the courses: International Trade, Computational Economics, Behavioural and Social Evolution, Agriculture Development and Poverty (access to FEDERICA through the page Presentation in the website)**



# MSc main features (1)

- **All teaching takes place in English**
- **International environment**

Only 85 out of 169 (50.3%) students currently enrolled are Italian.  
International mobility: Erasmus+, Double degrees.
- **Interdisciplinary approach to teaching Economics**

Courses and laboratories in  
Economics, Econometrics, Python, Stata,  
Mathematics, Statistics, Management,  
Law, History, Political Science, ...



# MSc main features (2)

- **2 curricula:**
  - Economics
  - Development Economics
- **2 grants**  
awarded to first-year students, 1 per curriculum
- **Excellent student to staff ratio**



# Job opportunities LM-56

- International organizations (WB, IMF, OECD, EU, etc)
- Finance (banks, insurance companies, etc.)
- Private Sector Companies (multinationals, consulting firms, etc.)
- Public servants (central and local administrations)
- Central banks (national and European)
- Social security institutions and operators
- National and international NGOs
- Economic research centers
- Teaching Economics and Law in high school
- PhD, Academic career



# Job Placement (I)

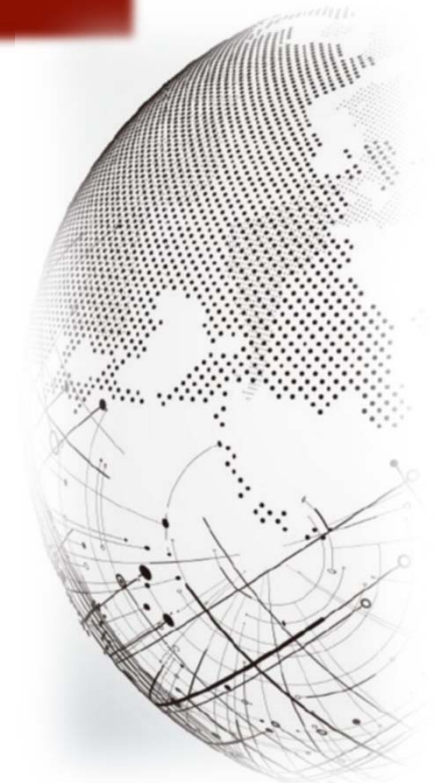
Graduates of the MSc have extremely good job placements, for instance:

## Private sector

Capgemini S.p.A, Deloitte, Findomestic Banca SpA, Accenture, MedTech Europe-Brussels, CCH® Tagetik, Menarini, Monte dei Paschi di Siena Capital Services, Fincantieri, ATMOSphere-Brussels, European Innovation Council and SMEs Executive Agency (EISMEA)-Brussels, Starkmacher e.V.-Germany, Pagasa Social Center-Philippines, Lilly, General Electric,...

## International Organizations and Central Banks

European Central Bank, Bank of Italy, UNCTAD-WTO, UNICEF, FAO, World Bank,...



# Job Placement (II)

## Social sector

Starkmacher e.V.-Germany,  
Pagasa Social Center-  
Philippines, AMU Azione  
Mondo Unito, Action Aid,  
PerMicro,...

## Research centers and Public sector

CNR, Sace Simest Cassa Depositi e Prestiti, Centro Studi Confindustria, RAI - Radiotelevisione italiana S.p.A., European Institute of the Mediterranean, School of Public Health (UofA – CUP)-Canada, MEF- Ministero dell'Economia e delle Finanze, Robert Schuman Centre for Advanced Studies-European University Institute, ARCO research center, European Innovation Council and SMEs Executive Agency (EISMEA)-Brussels, IRPET,...



# PhD admission

**Graduates of the MSc have entered PhD programs at the following Universities**

## **In Italy**

University of Bologna  
Delos University of Florence  
Pegasus University of Florence&Pisa&Siena  
University of Insubria -- Varese  
IMT Lucca  
Università Politecnica delle Marche  
Università Cattolica del Sacro Cuore -- Milan  
University La Sapienza Rome  
University of Roma Tor Vergata  
University of Pisa  
Scuola Superiore Sant'Anna -- Pisa  
Collegio Carlo Alberto -- University of Turin  
University Ca' Foscari – Venice  
PhD Statistics University of Florence

## **Abroad**

Toulouse School of Economics (France)  
University of Goettingen (Germany)  
University of Mannheim (Germany)  
TUM School of Social Sciences and  
Technology (Germany)  
Interdisciplinary Demographic Institute and  
University of Groningen (Netherlands)  
University of Groningen (Netherlands)  
University of Hertfordshire (UK)  
University of Reading (UK)  
University of Surrey (UK)  
Brown University (US)

One MSc professor organizes meetings with students interested in entering a PhD program (one meeting hosts Ph.D. students who graduated in the MSc) and is available to advise and help them in preparing their applications



# Admission Requirements

- 1 For holders of an Italian BA, BA grade not below 99/110; for holders of non-Italian BA, a threshold is identified by the Admission Committee**

Candidates who do not satisfy this condition may be asked to sit for an interview, with the Admission Committee, based on a syllabus available with suitable advance.

- 2 ECTS earned during bachelor studies: At least 18 ECTS in Economics, 6 in Statistics, 6 in Math, and B2 English**

Bachelor graduates from UniFi in Economia e Commercio, or SECI, or Economia Aziendale satisfy this condition.

Missing ECTS can be earned by enrolling in single courses of UniFi indicated by the Admission Committee.

# Two curricula

- \* **Curriculum Economics**
- \* **Curriculum Development Economics**
- \* **Free study plan: Intermediate between the curricula**



# Curriculum Economics

## For whom?

**Track in Economics** For students who want to learn the tools of economics and econometrics to analyze major economic issues, to formulate or evaluate economic policies at micro or macro level, and to conduct theoretical and applied research in economics.

**Track in Behavioural Economics** For students interested in theoretical and experimental analysis of individual behaviors and institutions, taking into account the effects of psychological, cognitive, emotional, cultural and social factors.

**Double degree** Offered jointly with the MSc in European Economic Studies of University of Bamberg, Germany.

**Career opportunities** Ideal background for work as a professional economist in a wide range of positions in private economic consultancy agencies, business, finance, central banking, national and international organizations and governments, or for pursuing a PhD programme in Economics or related topics.



## Curriculum in Economics

## Both Tracks in Economics and Behavioural Economics

<b>First year</b>	<b>Course</b>	<b>ECTS</b>
	Game Theory and Microeconomics	9
	Advanced Microeconomics	6
	Advanced Macroeconomics	9
	Statistical inference	6
	Mathematics for Economics	9
	Corporate governance, bank management and sustainable finance	12
	<i>Choose one from</i> Economic Law International law	6 6

# Curriculum in Economics

## Track in Economics

### Second year

	Course	ECTS
	Political Economy	6
	<i>Choose two courses from</i>	
	Behavioural and Social Evolution	6
	Macroeconometrics	6
	Microeconometrics	6
	<i>Choose one course from</i>	
	Behavioural Economics	6
	Computational Economics	6
	International Trade	6
	Labour Economics and Gender	6
	Regulation and Digital Markets	6
	<i>Choose 6 ects from</i>	
	Econometrics Lab	6
	Economics Lab	6
	Mathematics Laboratory	6
	Stata Lab I: Software	3
	Stata Lab II: Models and Applications	3
	Statistics Lab	3
	<i>Optional courses and/or Traineeship</i>	12
	Thesis	21

## Specializations (12 ects optional courses)

### ENERGY AND ENVIRONMENT

ENVIRONMENTAL ECONOMICS

ENERGY AND ENVIRONMENTAL ECONOMICS

### FINANCE

COMPUTATIONAL FINANCE

QUANTITATIVE RISK MANAGEMENT

### STATISTICS

FUNDAMENTALS OF MACHINE LEARNING

STATISTICAL LEARNING FOR DATA SCIENCE

## Curriculum in Economics

### Track in Behavioural Economics

	Course	ECTS
<b>Second year</b>	Political Economy	6
	Microeconometrics	6
	Behavioural and Social Evolution	6
	Behavioural Economics	6
	<i>Choose 6 ects from</i>	
	Econometrics Lab	6
	Economics Lab	6
	Mathematics Laboratory	6
	Stata Lab I: Software	3
	Stata Lab II: Models and Applications	3
Statistics Lab	3	
	<i>Optional courses and/or Traineeship</i>	12
	Thesis	21

# Double Degree for curriculum Economics

## Jointly with Master in European Economic Studies University of Bamberg, Germany

- 1<sup>st</sup> year students can apply to enter this programme.
- Five slots are available each year.
- Selection occurs after 1<sup>st</sup> semester, based on grade in bachelor degree, 1<sup>st</sup> semester exams, motivation letter.
- The selected students spend the 2<sup>nd</sup> year in Bamberg. By completing the programme, they earn two master degrees.

**Why apply?** Standard answers Gain international experience, Become more competitive in labor market, Build international networks.

Specific answer Flexibility: rich offer of courses in 2<sup>nd</sup> year at Bamberg

A dd with UniRennes (France), about public policies, is under approval



# Curriculum Development Economics

**For whom?** For students interested in understanding the economies of less developed countries, why some countries manage to grow and reduce poverty but others do not, what are the drivers of successful economic development and the causes for stagnation, the design and evaluation of policies that promote sustainable/inclusive growth, education for all, global health, food security, reduce income inequality, gender inequality, conflict, ...

**Double degree** Offered jointly with the MSc in Development Economics of University of Göttingen, Germany.

**Career opportunities** Ideal background for work as a professional development economist in national/international agencies, civil service appointments, NGOs, and private sector companies with interests in developing countries, or for pursuing a PhD program in Development Economics or related topics.



# Curriculum in Development Economics

	Course	ECTS
<b>First year</b>	Development Microeconomics	9
	Development Macroeconomics	9
	Statistical Inference	9
	Health and Education Economics	6
	Human Development and International Cooperation	6
	<i>Choose one from</i>	
	Mathematical Methods for Economic Analysis	6
	Measurement and Causes of Poverty	6
	Corporate governance, bank management and sustainable finance	12
	<i>Choose 6 ECTS from</i>	
	Econometrics Lab	6
	Economics Lab	6
English for Economics	6	
Mathematical Methods Lab	3	
Spanish	6	
Stata Lab I: Software	3	
Stata Lab II: Models and applications	3	

# Curriculum in Development Economics

	Course	ECTS
<b>Second year</b>	International Trade	6
	<i>Choose one from</i>	
	Economic Law	6
	International law	6
	<i>Choose two from</i>	
	Agriculture Development and Poverty	6
	Agri-food Economics	6
	Anthropology and Development	6
	Economic History of Globalisation	6
	Economics of Innovation	6
	Environment and Development	6
	History of Economic Thought	6
	International Conflict Transformation	6
	Labour economics and Gender	6
	Local and Industrial Development	6
	Microeconometrics	6
	Politics of Globalisation and Human Rights	6
<i>Optional courses and/or Traineeship</i>	12	
Thesis	21	

# Double Degree for curriculum Dev. Economics

## Jointly with Master in Development Economics University of Göttingen, Germany

- 1st year students can apply to enter this programme.
- Five slots are available each year.
- Selection occurs after 1<sup>st</sup> semester, based on grade in bachelor degree, 1<sup>st</sup> semester exams, motivation letter.
- Selected students spend their 2<sup>nd</sup> year in Göttingen. By completing the programme, they earn two master degrees.

**Why apply?** Standard answers: Gain international experience, Become more competitive in labor market, Build international networks.

Specific answer Flexibility: rich offer of courses in 2<sup>nd</sup> year at Göttingen.

# Some students engage in traineeship: Examples



BANCA D'ITALIA



CONFINDUSTRIA



Camera di Commercio  
Firenze  
*dal 1770 la casa delle imprese*



EDI Global



A Mathematica Company



Publiacqua



VOLONTARIATO INTERNAZIONALE  
PER LO SVILUPPO



Insieme, per un mondo possibile



# Erasmus+ program

Exams, traineeship, and thesis abroad

## Destinations

- EU countries: Belgium, Croatia, Czech Republic, France, Germany, Greece, Netherlands, Portugal, Poland, Spain, ...
- non-EU countries: Australia, China, Colombia, Costa Rica, Japan, Mexico, South Korea, Turkey, UK, ...



# Titles of some MSc theses

- **Brexit: the economic consequences of leaving Single Market**
- **How to control the Inflation Rate of Eurosystem with the European Central Bank Monetary Policy**
- **The economics of military expenditure: investments, consumption and conflicts**
- **The impact of monetary policy on the financial market: Evidence from the United Kingdom**
- **Pandemics as health shocks: the dynamics of health and economic activities over time**
- **The Unpredictable Outbreak of Coronavirus and its Global Macroeconomic Shocks: Analysis of Italian strategies in virus management**
- **Fiscal Federalism and Tax Competition. The Case of the Italian Intergovernmental Transfers**
- **China and Western Countries: cooperation or conflict?**
- **Social Networks and Labor Market: a Model of Job Search and Information Transmission through Word-of-Mouth Communication**
- **Education-job mismatch in the Italian graduate labour market. An empirical evaluation of the wage effects and determinants of overqualification among Italian graduates using OECD's Survey of Adult Skills (PIAAC, 2012)**
- **Personal data & Online Identity: Legal framework, challenges and a glimpse into the future**
- **On the individual incentives to bundle in oligopoly (published in Journal of Economic Behavior and Organization 188, 2021)**

# Additional international activities

- **The Econometric Game**
- **SIMUVACTION on Artificial Intelligence: Artificial Intelligence and Health Disparities on A Global Stage**
- **EUniWell activities (ex. Health Inequalities Summer School)**
- **Syracuse University in Florence**



# UniFi at the Econometric Game

UniFi has been selected to participate in the latest editions of the Econometric Game, held in Amsterdam (Netherlands)  
Each year, one of our students is in the UniFi team

**UNIFI Team  
Econometric Game  
2021**



**UNIFI Team  
for 2022**



**UNIFI Team  
for 2023**



**UNIFI Team  
for 2024**



# Universities participating in the Econometric Game 2024

University Amsterdam	University of Oxford
University of Copenhagen	Ensaе Paris
University of Florence	Université Paris Nanterre
University of St. Gallen	Erasmus University Rotterdam
Harvard University	Seoul National University
Université de Lausanne	Stockholm School of Economics
Lund University	University Utrecht
Maastricht University	Shg Warsaw School of Economics
Ludwig Maximilians Universitaet Muenchen	University of Warsaw
Unversité d'Orleans	Warwick University

# **Simuvaction on Artificial Intelligence**

**Some students of the MSc participated in the 2023 and 2024 SIMUVACTION on Artificial Intelligence and Health Disparities on a global stage in Atlanta (USA)**

**Students from across the world write, debate, and vote on one of the most challenging AI quandaries: How can we ensure that AI, designed to help address health inequities, does not in fact increase such disparities?**

**SIMUVACTION 2023**



**SIMUVACTION 2024**



# SIMUVACTION on Artificial Intelligence: List of partners and participants



## List of partners and participants

Embassy of France in the US, Service for Science and Technology  
Emory University,  
Georgia Institute of Technology  
AGREC – the Atlanta Global Research and Education Collaborative (AGREC)  
Spelman College  
The Morehouse School of Medicine  
The University of Montreal – School of Public Health  
EUniWell  
The University of Birmingham, United Kingdom  
Leiden University, Netherlands,  
Köln University, Germany,  
The University of Florence, Italy  
Semmelweis University, Hungary  
Nantes Université  
The International Observatory on the Societal Impacts of AI and Digital (OBVIA)  
United Way Greater Atlanta  
American Red Cross – Atlanta  
American Cancer Society  
Merlynn AI Technologies  
Philips  
The French-American Chamber of Commerce  
French Ministerial Delegation for Digital Health (French Ministry of Health)  
Consulate of Brazil in San Francisco  
Consulate of Germany in Atlanta  
Consulate of Mexico in Atlanta  
Consulate of Quebec in Atlanta - Consulate of Canada in Atlanta  
UNESCO



# EUniWell activities

EUniWell – the European University for Well-Being – is funded by the European Commission and it is formed by 10 universities.

Aim: to develop a common research and teaching agenda on well-being to understand, improve, measure, and rebalance the well-being of individuals, our own community, our environment and society as a whole on a regional, European, and global level.



**Example of one of the EUniWell activities: In June 2023, 5 students from Unifi participated in a Summer School on Health Inequalities at the University of Birmingham**

# Syracuse University in Florence



**Some SUF Students attend the courses of the MSc in Economics and Development at UNIFI**

**Two courses of the MSc in Economics and Development are given at SUF**

1. *International Conflict Transformation (I sem)*
2. *History of Economic Thought (II sem)*



# MSc Keynote Lecture

Every year we host a lecture on an important topic given by a well-known expert in the field

2023-24 **Artificial Intelligence and the future of competition**  
Giacomo Calzolari, EUI.

2022-23 **Modelling Intrahousehold Distribution to Study Gender Inequality & Individual Poverty** Olivier Bargain,  
Université de Bordeaux.

2021-22 **Gender Equality, Women's Representation and Public Policy** Paola Profeta, Università Bocconi.

2020-21 **The Covid-19 Economic Crisis** Guido Lorenzoni,  
Northwestern University.

# The Team

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# QR Code for study programmms

