STRONG POINTS OF THE MASTER

Acquire an advanced academic training geared towards research in economics and learn about public and private economic stakeholders’ decision making.

Benefit from a diversified curriculum with a strong content in advanced quantitative methods during a two-year programme taught in English.

Learn innovative techniques in large datasets processing and complex economic problems programming.

DEGREE LEVEL : BAC + 5

DAUPHINE MASTER’S : Grand Établissement Master’s degree

DURATION : 4 semesters / 120 crédits ECTS

ORGANIZATION : Initial training

HEAD OF PROGRAM : Lise PATUREAU
University Professor
THE PROFESSIONAL INTEGRATION OF YOUNG GRADUATES

1er JOB
got on average 1 month after graduation

42 262 €
average annual salary

94%
of Dauphine’s students have a job, out of which 93% as executives, independent professions or public service managers

Source: Enquête Pluricité for Paris Dauphine-PSL conducted from January to March 2019 among all Dauphine graduates from the classes of 2017

DYNAMISM AND INTERNATIONAL OPENNESS

— A strong content in quantitative methods that includes massive datasets processing.

— A high-quality programme in economic research within PSL Graduate Programme in Economics.

— Taught entirely in English and aligned to the best international standards.

— Exchange and internship opportunities worldwide thanks to QTEM’s network of universities and companies.

MAIN OPPORTUNITIES

— Data analyst
— Data scientist
— Consulting in public and private companies
— Professional economist in ministries, parastatals (central banks), international institutions (IMF, OECD, ...), financial institutions (banking, insurance) and large private sector companies
OVERVIEW OF THE PROGRAM

FIRST YEAR OF QUANTITATIVE ECONOMICS MASTER

Mandatory courses:
Macroeconomics, Microeconomics, Econometrics, Game Theory

SECOND YEAR OF QUANTITATIVE ECONOMICS MASTER

“Quantitative Economic Analysis” track:
choose among 3 specialization fields
Theory, Social & Public policies, Macroeconomics & Finance

“Digital Economics” track:
choose among 2 specialization fields
Marketing & Networks, Digital Finance
AN OPEN DOOR TO RESEARCH AND INTERNATIONAL CAREERS

This programme strives to train top-level economists, open-minded and responsive to challenges to contemporary economy. Geared towards excellence, this cursus enables students to either pursue PhD programmes worldwide or apply to economist careers within private and public sectors, Ministries, and international institutions.

INVOLED PARTNERS

Worldwide exchange program within QTEM’s international network of universities and companies (Quantitative Techniques for Economics and Management).

Interactions with Paris Dauphine - PSL University’s research centres: LEDa (Economics), DRM (Management and Finance), LAMSADE (Computer Sciences), CEREMADE (applied mathematics) and Mines ParisTech (Economics).

APPLY

WHO CAN APPLY?

— Students from France and abroad who hold a bachelor’s degree or equivalent diploma within a relevant field of study (such as economics, mathematics applied to social sciences, IT applied to economics)

— B2 level in English, validated through TOEFL-iBT or IELTS tests

HOW TO APPLY?

— Application should be made on: candidatures.dauphine.fr

— All information is available online

MASTER IN QUANTITATIVE ECONOMICS

Contact lucie.neuville@dauphine.psl.eu dauphine.psl.eu

Career center information.orientation@dauphine.psl.eu
Training
INITIAL

This programme delivers high-quality academic training for economic research, allowing an in-depth analysis of a broad spectrum of contemporary economic problems. Taught in English, the cursus provides a strong content in advanced quantitative methods, including innovative methods in massive datasets processing. It allows students to pursue either PhD programmes or professional economist careers in the private and public sectors.

OVERVIEW

232 hours
Two semesters, of 12 weeks each
—
3 specialisation tracks
Theory, Social & Public policies, Macroeconomics & Finance
Research dissertation during 2nd semester
—
30 students

TARGET COMPETENCIES

— In-depth knowledge of contemporary research problematics in your chosen specialisation track, in addition to a command of fundamental economic concepts
— Excellent aptitude to command advanced quantitative tools for processing and analysing datasets, including massive datasets

CURRICULUM

Joint mandatory courses:
— Machine Learning
— Contracts, mechanisms & auctions
— Advanced econometrics

Specialized courses’ themes:
— Health, labour and education
— Individual & collective decision making
— Fluctuation & stabilization policies

OUR STRENGTHS

— Enrol in a high-quality cursus in economic research in accordance with PSL Graduate Programme in Economics and learn about public and private sectors’ economic stakeholders’ decision-making process
— Obtain a master’s degree with strong international recognition/visibility: Aligned on international standards, entirely in English, and with a strong content in advanced quantitative methods
— Acquire advanced training in quantitative methods, including innovative methods in large datasets processing and complex economic problems programming
GRADUATE PLACEMENT

Enroll in a doctoral program, in France and abroad
— Professional economist in the public and parapublic sector (government, central banks) and international institutions (IMF, OECD, ...)
— Professional economist in financial institutions and other private businesses

INTERNATIONAL

All classes are delivered in English
— International exchange and internship opportunities thanks to QTEM’s network of 25 universities and 15 companies worldwide (Quantitative Techniques for Economics and Management)

LEARN MORE

Training coordination
Lise PATUREAU
Contact: lucie.neuville@dauphine.psl.eu

Career center of Paris Dauphine-PSL University
information.orientation@dauphine.psl.eu

PREREQUISITES

— Students from France or abroad who hold a master’s degree equivaling to 60 ECTS credits in a relevant field of study
— B2 level in English, validated by IELTS or TOEFL-IBT tests

ADMISSION PROCEDURE

— Apply online on the MyCandidature application: candidatures.dauphine.fr

APPLY

OTHER SPECIALIZATIONS FOR MASTER 2ND YEAR

— Digital Economics
The aim is to lead students towards expertise in digital economics. This cursus trains quantitative economists in massive and complex datasets exploitation to enlighten companies and institutions' decisions.

OVERVIEW

300 hours
Courses from September to June

Mandatory internship
4 months at least

25 students

CURRICULUM

Joint mandatory courses:
— Machine Learning
— Ethics, algorithm and data
— Digital currencies & Blockchain

2 specialisation tracks:
— Internet Economics
— Digital Finance

OUR STRENGTHS

— Implement statistical and econometrical tools to obtain solid and reliable answers, allowing the enlightenment of companies and institutions' decisions
— Learn innovative methods in massive datasets processing.
— Train in large and complex databases' programming

TARGETED COMPETENCIES

— Expertise in digital economics
— Knowledge of data access’ legal and ethical frameworks
— Expertise in massive datasets analysing and processing methods
GRADUATE PLACEMENT

Data analyst
— Data scientist
— Advisor in private and public companies

+ LEARN MORE

Training coordination
René AID & Clémentine GARROUSTE
Contact: lucie.neuville@dauphine.psl.eu

Career center of Paris Dauphine-PSL University
information.orientation@dauphine.psl.eu

APPLY

PREREQUISITES
— Students who hold a master’s degree equaling to 60 ECTS at least in a relevant field of study (such as economics, mathematics, mathematics applied to social sciences)
— B2 level in English, validated by TOEFL-iBT (90 at least) or IELTS (6.5 at least)

ADMISSION PROCEDURE
— Apply online on the MyCandidature application: candidatures.dauphine.fr

OTHER SPECIALIZATIONS OF THE 2ND YEAR OF MASTER

— Quantitative Economic Analysis