



Specialization track: RENEWABLE TECHNOLOGIES
MOBILITY: UPD-LONDON (6M) - UNIBO (12M) - LMU (6M)

1st year
First semester - UPD London Campus
<ul style="list-style-type: none"> • STOCHASTIC CALCULUS (3 ECTS) • FINANCIAL MODELING with Python (3 ECTS) • PORTFOLIO MANAGEMENT (6 ECTS) • MICROECONOMICS and ENVIRONMENT -3 ECTS • 15 ECTS ELECTIVES: <ul style="list-style-type: none"> ○ MACROECONOMICS (3 ECTS) ○ TIME SERIES ECONOMETRICS (6 ECTS) ○ DERIVATIVE INSTRUMENTS (3 ECTS) ○ FINANCIAL STATEMENT ANALYSIS (3 ECTS)
Second semester - UNIBO
<ul style="list-style-type: none"> • THE EARTH CLIMATE SYSTEM AND CLIMATE CHANGE (6 ECTS) • SMART GRIDS FOR SMART CITIES (6 ECTS) • PYTHON CODING AND DATA SCIENCE (6 ECTS) • INTERNATIONAL LAW AND SUSTAINABILITY (6 ECTS) • FINANCIAL MARKETS AND CLIMATE CHANGE: PRICING/HEDGING AND ASSET MANAGEMENT- MATHEMATICAL FINANCE, ASSET PRICING AND DERIVATIVES (6 ECTS)
2nd year
Third semester - UNIBO
<ul style="list-style-type: none"> • SOLAR&WIND ENERGY AND STORAGE SYSTEMS (6 ECTS) • MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE (6 ECTS) • CREDIT AND WEATHER DERIVATIVES (6 ECTS) • 12 ECTS ELECTIVES: <ul style="list-style-type: none"> ○ HYDRAULIC AND BIOENERGY (C.I.)- MARINE RENEWABLE ENERGY- BIOENERGY, HYDROGEN AND HEAT RECOVERY SYSTEMS (6 ECTS) ○ INTENSIVE PROGRAMME (6 ECTS) ○ ADVANCED RISK AND PORTFOLIO MANAGEMENT (6-9 ECTS) ○ SUMMER SCHOOL AND TRAINING (6 ECTS)



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Greening Energy Market and Finance
Erasmus Mundus Joint Master
GrEnFin-EMJM



Fourth semester - LMU

- INTERNSHIP/RAship (6 ECTS)
- MASTER THESIS (27 ECTS)

Total 123 ECTS



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA



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Specialization track: ENVIRONMENTAL FINANCE
MOBILITY: LMU (12M) - UPD-PARIS (6M) - UNIBO (6M)

1st year
First semester - LMU
<ul style="list-style-type: none"> • STOCHASTIC CALCULUS AND ARBITRAGE THEORY (9 ECTS) • ADVANCED TOPIC IN FINANCIAL MATHEMATICS B (6 ECTS) • CLIMATE SYSTEM AND CLIMATE CHANGE (STATISTICAL INFERENCE) (9 ECTS) • 3/6 ECTS from: <ul style="list-style-type: none"> ○ CLIMATE-RELATED RISK AND COMMODITY MARKET II (Elective Topics in Business Administration-Theory I) (6 ECTS) ○ ECONOMETRICS (6 ECTS) ○ ADVANCED TOPIC IN FINANCIAL MATHEMATICS C (3 ECTS) ○ SEMINAR (3 ECTS)
Second semester - LMU
<ul style="list-style-type: none"> • NUMERICAL METHODS IN FINANCIAL MATHEMATICS (9 ECTS) • FIXED INCOME MARKETS AND CREDIT DERIVATIVES (9 ECTS) • QUANTITATIVE RISK MANAGEMENT (9 ECTS) • 6 ECTS from: <ul style="list-style-type: none"> ○ STATISTICAL METHODS FOR FINANCIAL MATHEMATICS (6 ECTS) ○ ADVANCED TOPIC IN COMPUTER AND DATA SCIENCE B (6 ECTS) ○ SUMMER/WINTER SCHOOL
2nd year
Third semester – UPD Paris Campus
<ul style="list-style-type: none"> • ENERGY AND ENVIRONMENTAL ECONOMICS (6 ECTS) • GREEN FINANCE: MARKET FINANCE AND PROJECT FINANCING (6 ECTS) • PYTHON-MACHINE LEARNING (3 ECTS) • CORPORATE LAW AND BUSINESS ETHICS (3 ECTS) • 12 ECTS ELECTIVES: <ul style="list-style-type: none"> ○ ADVANCED METHODS FOR RISK MANAGEMENT (6 ECTS) ○ EMPIRICAL MODELING OF ELCTRICITY AND GAS MARKETS (6 ECTS) ○ BEHAVIORAL FINANCE (3 ECTS)



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- MACROECONOMICS OF MARKET PARTICIPANT (3 ECTS)
- ECONOMY OF CLIMATE CHANGE (6 ECTS)
- CORPORATE STRATEGY (3 ECTS)
- SAS/R/SQL DATA ANALYSIS, DATA MODELING (3 ECTS)
- INVESTING IN FINANCIAL MARKET (3 ECTS)
- LEADERSHIP IN FINANCE (6 ECTS)
- WINTER/SUMMER SCHOOL (6 ECTS)

Fourth semester - UNIBO

- INTERNSHIP/RAship (12 ECTS)
- MASTER THESIS (18 ECTS)

Total 120 ECTS



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Specialization track: CLIMATE&BUSINESS
MOBILITY: UNIBO (6M) - LMU (6M) - UPD-PARIS (12M)

1st year

First semester - UNIBO

- RISK MODELLING AND PROBABILITY (12 ECTS)
- CLIMATE AND ENERGY ECONOMICS (12 ECTS)
- FINANCIAL MARKETS AND CLIMATE CHANGE: PRICING/HEDGING AND ASSET MANAGEMENT (I.C.)- ASSET MANAGEMENT AND TRANSITION RISK (6 ECTS)

Second semester - LMU

- FIXED INCOME MARKETS AND CREDIT DERIVATIVES (9 ECTS)
- QUANTITATIVE RISK MANAGEMENT (9 ECTS)
- NUMERICAL METHODS IN FINANCIAL MATHEMATICS (9 ECTS)
- 3/6 ECTS ELECTIVES:
 - STATISTICAL MODELS FOR FINANCIAL MATHEMATICS (6 ECTS)
 - SUMMER SCHOOL (6 ECTS)
 - SEMINAR (3 ECTS)

2nd year

Third semester - UPD Paris Campus

- CORPORATE LAW AND BUSINESS ETHICS (3 ECTS)
- ENERGY AND ENVIRONMENTAL ECONOMICS (6 ECTS)
- GREEN FINANCE: MARKET FINANCE AND PROJECT FINANCING (6 ECTS)
- ECONOMY OF CLIMATE CHANGE (6 ECTS)
- 9 ECTS ELECTIVES:
 - BEHAVIORAL FINANCE (3 ECTS)
 - SAS/R/SQL DATA ANALYSIS, DATA MODELING (3 ECTS)
 - LEADERSHIP IN FINANCE (6 ECTS)
 - MACROECONOMICS OF MARKET PARTICIPANTS (3 ECTS)
 - ADVANCED METHODS FOR RISK MANAGEMENT (6 ECTS)
 - INVESTING ON FINANCIAL MARKETS (3 ECTS)
 - CORPORATE STRATEGY (3 ECTS)
 - WINTER/SUMMER SCHOOL (6 ECTS)



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Fourth semester - UPD Paris Campus

- INTERNSHIP/RAship (6 ECTS)
- MASTER THESIS (24 ECTS)

Total 120 ECTS



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