

CIVIS

A European Civic University

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Erasmus+ Programme  
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# FOREIGN LANGUAGES STUDY PROGRAMMES CATALOGUE

## WP 7

Teaching Excellence

### Task Force

Multilingualism

Classification, collection  
and editing of the  
study programmes was  
made by the members of  
the Task Force  
Multilingualism.





## CONTENTS

<b>BACHELOR'S DEGREE PROGRAMMES .....</b>	<b>12</b>
<b>1. Humanities .....</b>	<b>13</b>
1.1. History and Archaeology .....	13
1.1.1. History and Philosophy of Science .....	13
1.1.2. Swedish History of Ideas .....	13
1.1.3. Introduction to Nordic History I (1000-1750) .....	14
1.1.4. Binational Bachelor's Degree in History TübAix.....	14
1.2. Philosophy.....	14
1.2.1. Theatre Studies .....	14
1.2.2. Sweden – Society and Everyday Life.....	15
1.3. Literature and Linguistics   Language Learning .....	15
1.3.1. English Language and Literature .....	15
1.3.2. French Language and Literature .....	16
1.3.3. German Language and Literature .....	17
1.3.4. Italian Language and Literature.....	18
1.3.5. Spanish Language and Literature .....	19
1.3.6. English I.....	20
1.3.7. English for Young Learners: Language Education I.....	20
1.3.8. Language and Geography.....	20
1.3.9. French: Thematic Literary Studies: Travel .....	21
1.3.10. Lithuanian I .....	21
1.3.11. Swedish for International Students course 1.....	21
1.3.12. Computational Linguistics .....	22
1.3.13. Introduction to Formal Semantics.....	22
1.4. Cultural Studies .....	23
1.4.1. Turkish Studies.....	23
1.4.2. Japanese Studies .....	24
1.4.3. Korean Studies .....	24
1.4.4. Chinese Studies .....	25
1.4.5. Interdisciplinary American Studies (IAS) .....	26
1.4.6. Oriental Languages and Cultures.....	26
1.4.7. Languages, Cultures, Literatures, Translation .....	27
1.4.8. Linguistic and intercultural mediation .....	28
<b>2. Education .....</b>	<b>28</b>
2.1. Education .....	28

2.1.1. Education in Multicultural Society.....	28
2.1.2. Special Education, Disability and Learning .....	29
2.1.3. Double Degree: Educational Sciences – Pedagogy .....	29
2.1.4. Pedagogy .....	30
<b>3. Social Sciences and Journalism.....</b>	<b>31</b>
3.1. Economics / Business Administration .....	31
3.1.1. Economics .....	31
3.1.2. Basic Statistics for Economists .....	31
3.1.3. Managerial Accounting, Course Module .....	32
3.1.4. Business Administration .....	32
3.2. Political Sciences .....	33
3.2.1. Political Science .....	33
3.2.2. Middle Eastern and North African Politics an Economy .....	33
3.2.3. Political Science .....	33
3.2.4. International Relations and European Studies (RISE) .....	34
3.2.5. Political Science; Licence en Sciences Politiques .....	35
3.3. Sociology.....	36
3.3.1. Gender and Sexuality .....	36
3.4. Journalism and Information .....	36
3.4.1. Communication and Media Studies.....	36
3.4.2. Swedish Film and Television Culture .....	36
<b>4. Administration and Law .....</b>	<b>37</b>
4.1. Administration and Law .....	37
4.1.1. Legal Studies .....	37
4.1.2. Licence en Droit – Master I (Droit europeen) .....	37
<b>5. Natural and Physical Sciences   Mathematics .....</b>	<b>39</b>
5.1. Biology .....	39
5.1.1. Developmental Biology.....	39
5.2. Biochemistry.....	39
5.2.1. Biochemistry III- Proteins from gene to function .....	39
5.3. Chemistry .....	40
5.3.1. Chemistry .....	40
5.3.2. Technological Biochemistry.....	41
5.3.3. Medicinal Chemistry .....	41
5.3.4. Pharmaceutical Chemistry .....	42
5.4. Environment .....	43

5.4.1. Climate Change Solutions .....	43
5.5. Geography   Earth / Natural Sciences.....	43
5.5.1. GIS and Spatial Analysis I.....	43
5.5.2. Introduction to Astronomy .....	44
5.5.3. Paleoclimatology and the ocean system .....	44
5.5.4. Tellus I - Physical Geography .....	44
5.6. Physics.....	45
5.6.1. Atomic and Molecular Physics .....	45
5.6.2. Physics .....	45
5.7. Mathematics .....	46
5.7.1. Mathematics III - Foundations of Analysis.....	46
<b>MASTER'S DEGREE PROGRAMMES .....</b>	<b>47</b>
<b>1. Humanities .....</b>	<b>48</b>
1.1. History and Archaeology .....	48
1.1.1. Greek and Eastern Mediterranean Archaeology: From the Bronze Age Palaces to the Hellenistic Kingdoms.....	48
1.1.2. European Master in Classical Cultures .....	49
1.1.3. Global History I – Climate, Society, Economy, and Governance in a long-term Perspective.....	49
1.1.4. Binational Master's Degree in History TübAix.....	49
1.1.5. Archaeological Sciences .....	50
1.2. Philosophy.....	51
1.2.1. Logic in Computer Science and Artificial Intelligence .....	51
1.2.2. Analytic Philosophy .....	51
1.2.3. Cognitive Sciences (Open Mind).....	52
1.2.4. Globalization and Cultural Diplomacy .....	52
1.2.5. Philosophy, Politics and Economics (PPE) .....	53
1.3. Literature and Linguistics / Language Learning .....	54
1.3.1. Linguistics: Theories and Practices.....	54
1.3.2. Literature and Culture .....	55
1.3.3. "Teaching foreign languages in Europe" in collaboration with the University of Angers.....	55
1.3.4. "Greek-French Studies in Literature, Culture and Translation" .....	56
1.3.5. German Philology: Theory and Applications .....	57
1.3.6. Multilingual Communication .....	57
1.3.7. Advanced Japanese I.....	58
1.3.8. English for Academic Research .....	58
1.3.9. Statistics for Linguists.....	59
1.3.10. Italian Linguistics .....	59

1.3.11. Academic Spanish.....	59
1.3.12. Romance Languages' Development from Latin .....	60
1.3.13. Language Situation and Language Policy in the Baltic Countries .....	60
1.3.14. Methods in Research on Bilingualism – an Overview .....	60
1.3.15. Master of Arts: Literary and Cultural Studies in Great Britain and Anglophone Countries .....	61
1.3.16. Master of Arts: English Applied Linguistics .....	61
1.3.17. English Linguistics .....	62
1.3.18. English Literature and Cultures .....	63
1.3.19. Computational Linguistics .....	63
1.3.20. Translation of the Contemporary Literary Text (MTTLC) .....	64
1.3.21. Specialized Translations and Terminology .....	64
1.3.22. English Linguistics .....	66
1.3.23. Conference Interpreting Training (EMCIT).....	67
1.3.24. Études françaises et francophones .....	68
1.3.25. Hispanic Studies (MSH) .....	69
1.3.26. Oriental Languages and Cultures.....	70
1.3.27. Linguistics.....	71
1.3.28. Languages, Linguistics, Foreign cultures and Literatures.....	72
1.3.29. English and Anglo-American Studies .....	72
1.4. Cultural Studies .....	73
1.4.1. Latin American and Iberian Studies .....	73
1.4.2. Greek-Italian Studies: History, Literature, Classical Tradition.....	74
1.4.3. Gender Perspectives on Art and Visual Culture.....	74
1.4.4. Gender Perspectives on Art and Visual Culture.....	74
1.4.5. Slavic Studies .....	75
1.4.6. Japanese Studies .....	76
1.4.7. Korean Studies .....	76
1.4.8. American Studies .....	77
1.4.9. Social and Cultural Anthropology .....	78
1.4.10. Cultures of the Global South .....	78
1.4.11. American Studies .....	79
1.4.12. Canadian Studies .....	81
1.4.13. British Cultural Studies .....	82
1.4.14. American Studies .....	82
1.4.15. Culture and the Language of European Organizations.....	84
<b>2. Education .....</b>	<b>86</b>
2.1. Education .....	86

2.1.1. Education and Human Rights.....	86
2.1.2. Special Education.....	87
2.1.3. Education for Sustainable Development (EN).....	87
2.1.4. Teacher Training for Lower and Upper Secondary Education.....	88
2.1.5. Teacher Training for Lower and Upper Secondary Education (English and Spanish) .....	88
<b>3. Social Sciences and Journalism.....</b>	<b>89</b>
3.1. Economics / Business Administration .....	89
3.1.1. Business Economics (EN).....	89
3.1.2. Economics: General, Focus: Economic Analysis and European Policy (FR/EN) .....	90
3.1.3. Economics: Econometrics, Focus Research in Economics (EN).....	90
3.1.4 Economics: Econometrics, Focus Research in Economics and statistics (EN).....	91
3.1.5. Management science (EN).....	91
3.1.6. Business engineering (FR/EN) .....	92
3.1.7. Microfinance (EN).....	92
3.1.8. Introduction to Global Political Economy.....	93
3.1.9. Ideation - creating a business idea (EN) .....	93
3.1.10. International Economics .....	93
3.1.11. European Management MSc.....	94
3.1.12. Accounting and Finance MSc.....	94
3.1.13. General Management MSc .....	95
3.1.14. International Business MSc.....	96
3.1.15. Economics MSc.....	96
3.1.16. Economics and Finance MSc.....	97
3.1.17. International Economics MSc.....	97
3.1.18. Management and Economics MSc.....	98
3.1.19. European Economics MSc .....	99
3.1.20. Business Consulting (EN) .....	99
3.1.21. Behavioural Economics (EN) .....	100
3.1.22. Business Administration (MBA).....	100
3.2. Political Sciences .....	101
3.2.1. Southeast European Studies: Politics, History, Economics .....	101
3.2.2. South European Studies (EUROSUD)/Erasmus mundus joint master degree.....	102
3.2.3. Geopolitical Analysis, Geostrategic Synthesis, and Defence and International Security Studies .....	103
3.2.4. Political Sciences.....	103
3.2.5. Political Sciences: General (FR/EN) .....	104
3.2.6. Political Sciences: International Relations, Focus: Security, peace, conflicts (FR/EN) .....	104
3.2.7. Political Sciences: International Relations, Focus: World (EN).....	105

3.2.8. Political Sciences: International Relations, Focus: Globalisation and public policies (FR/EN) .	105
3.2.9. European studies, Focus EU and Asia (EN) .....	106
3.2.10. European Studies, Focus European Politic (FR/EN) .....	106
3.2.11. Interdisciplinary EU studies (EN).....	107
3.2.12. Migration and Social Change – a Life Course Perspective.....	108
3.2.13. Experimental Design (EN) .....	108
3.2.14. Comparative + Middle East Politics and Society (CMEPS) .....	109
3.2.15. Public Policy and Social Change MA .....	110
3.2.16. Comparative Politics (EN) .....	110
3.2.17. International Public Affairs.....	111
3.2.18. Political Science; Politique en Europe: Etats, frontières, sociétés .....	111
3.2.19. Political Science / Politiques de l'egalite des chances en Roumanie et dans l'Union européenne .....	112
3.3. Psychology .....	113
3.3.1. Psychological and organizational perspectives on work, stress, and health .....	113
3.4. Sociology.....	113
3.4.1. MA European Master's Programme on Society, Science, and Technology .....	113
3.4.2. Master in Sociology Focus Migration and Cultural Diversity (FR/EN).....	114
3.4.3. The Swedish Model: Challenges for social work with elderly and disabled (EN) .....	115
3.4.4. Communication and Intercultural Studies (MCIS) .....	115
3.4.5. Intercultural Management (MIM) .....	116
3.5. Journalism and Information .....	116
3.5.1. Media and refugee/migration flows .....	116
3.5.2. Media Studies: Keywords for the Present .....	117
3.5.3. MA Médias, développement, société (FR) .....	117
3.5.4. MA Media, Public Communication and Globalization .....	118
3.6. Administration and Law .....	119
3.6.1. MA in Specialised Public Law .....	119
3.6.2. MA L.L.M. in International and European Legal Studies.....	119
3.6.3. MA in Specialised Public Law .....	120
3.6.4. Specialized Master in International Law (FR/EN) .....	120
3.6.5. Rights of the child. Interdisciplinary approach (FR/EN) .....	121
3.6.6. Master of Law (LL.M.).....	121
3.6.7. Master en droit international et europeen des affaires (FR).....	121
3.6.8. International Arbitration (EN) .....	122
3.6.9. European Economic Law .....	123
4. Natural and Physical Sciences, Mathematics.....	124

4.1. Biology .....	124
4.1.1. Biology of Organisms and Ecology, Focus Erasmus Mundus Joint Master Degree in Tropical Biodiversity and Ecosystems (TROPIMUNDO) (FR/EN) .....	124
4.1.2. Biology of Organisms and Ecology, Research Focus (FR/EN).....	125
4.1.3. Bio-informatics and Modelling, Research Focus (FR/EN).....	126
4.1.4. Systems Theory and Resilience Thinking (EN).....	126
4.1.5. Master of Science: Inland Water Quality Assessment .....	127
4.1.6. Masters in Engineering: Bioinformatics and Computational Biology.....	127
4.1.7. Bioinformatik/Bioinformatics .....	128
4.1.8. Evolution and Ecology .....	128
4.1.9. Molecular Cell Biology and Immunology .....	129
4.1.10. Neurobiology .....	129
4.1.11. Cellular and Molecular Plant Biology.....	130
4.1.12. Bioinformatics MSc.....	130
4.1.13. Applied Bioinformatics for Life Science (EN) .....	131
4.1.14. Applied biochemistry and molecular biology .....	131
4.2. Biochemistry.....	132
4.2.1. Structural Biochemistry (EN) .....	132
4.2.2. Biochemistry MSc.....	132
4.3. Chemistry .....	133
4.3.1. Advanced Organic Synthesis (EN).....	133
4.3.2. Theoretical Chemistry and Computational Modelling.....	133
4.3.3. Chemistry of Advanced Materials (MSc) (EN) .....	134
4.3.4. Chemistry of Drugs and Cosmetic Products (MSc) (RO).....	134
4.3.5. Biomolecules (MSc) – Romanian .....	135
4.4. Environment .....	136
4.4.1. Environmental Risk Management (EN) .....	136
4.4.2. Applied Environmental Geoscience (AEG) MSc .....	136
4.5. Geography, Earth/Natural Sciences .....	137
4.5.1. Master in Geography, Focus: Erasmus Mundus Urban studies (EN) .....	137
4.5.2. Master in Geography, Focus: Urban studies (ULB-VUB) (EN) .....	138
4.5.3. High Energy Astrophysics (EN).....	139
4.5.4. The Geoscientific Method (EN) .....	139
4.5.5. Landscape Ecology - Theory and Design (EN).....	139
4.5.6. Meteorology I (EN) .....	140
4.5.7. Master of Arts; Urban studies Four Cities .....	140
4.5.8. Applied Geophysics (EN) .....	140



4.6. Physics.....	141
4.6.1. Machine Learning for Physicists and Astronomers (EN).....	141
4.6.2. Master of Science: Theoretical Physics .....	142
4.6.3. Master of Science: Condensed Matter Physics and Biological Systems .....	142
4.6.4. Master of Science: Molecular Nanoscience and Nanotechnology .....	143
4.6.5. Master of Science: Nuclear Physics .....	143
4.6.6. Astro and Particle Physics MSc .....	144
4.6.7. Nano-Science MSc.....	144
4.6.8. Theoretical and Computational Physics (EN) .....	145
4.6.9. Physics of advanced materials and nanostructures (EN) .....	146
4.7. Mathematics .....	146
4.7.1. Master in Statistics, Research Focus: General (FR/EN) .....	146
4.7.2. Probability Theory III (EN) .....	147
4.7.3. Master of Science: Mathematics and Applications (Financial Risks) .....	148
4.7.4. Mathematical Physics MSc .....	148
4.7.5. Advanced studies in mathematics.....	149
4.7.6. Algebra, Geometry and Cryptography (EN) .....	149
4.8. Information Technologies and Communications .....	150
4.8.1. MA in Data Science and Information Technologies .....	150
4.8.2. Inter-Institutional MA in Space Technologies, Applications and Services (STAR) .....	151
4.8.3. MA in Smart Telecom and Sensing Networks (SMARTNET) /Erasmus Mundus joint master degree.....	152
4.8.4. MA in Science, Technology, Society-Science and Technology Studies .....	153
4.8.5. Master in Computer science (FR/EN) .....	154
4.8.6. Master in Cybersecurity, Focus Cryptanalysis and Forensics (EN) .....	154
4.8.7. Master in Cybersecurity, Focus Corporate Strategies (EN) .....	155
4.8.8. Specialized master in data science, Big data (EN) .....	155
4.8.9. Masters: Formal Methods in Computer Science .....	156
4.8.10. Masters: Image Processing and Computer Vision (IPCV) .....	156
4.8.11. Master's Degree in Research and Innovation in Information and Communications Technology .....	157
4.8.12. Data Science (EN).....	157
4.8.13. Artificial Intelligence (EN) .....	158
4.8.14. Security and Applied Logic (SLA).....	159
4.8.15. Natural Language Processing (EN).....	160
4.9. Engineering and Construction .....	161
4.9.1. Master of science in chemical and materials engineering (EN) .....	161
4.9.2. Master of Science in Physical Engineering (EN).....	161

4.9.3. Master of Science in electrical engineering, focus electronics and information technologies (EN)	162
4.9.4. Master of science in electro-mechanical engineering, professional focus (EN)	163
4.9.5. Master of Science in Computer science and engineering, Professional focus (EN)	163
4.9.6. Master of Science in Computer science and engineering, Focus Big Data Management and Analytics (Erasmus Mundus) (EN)	164
4.9.7. Master of science in civil engineering (EN)	164
4.9.8. Specialized Master in Nuclear Engineering (EN)	165
4.9.9. Master of science in architecture and engineering (EN)	165
4.9.10. Specialized Master in Sustainable Urban Design and Regional Planning (EN)	166
4.9.11. Masters: Deep Learning for Audio and Video Signal Processing	166
4.10. Health and Welfare	167
4.10.1. Athens International Master's Program in Neurosciences	167
4.10.2. MA in Molecular Biomedicine: Mechanisms of Disease, Molecular and Cellular Therapies, and Bioinnovation	167
4.10.3. MA in Nanomedicine	168
4.10.4. MA in Clinical Neuropsychology-Cognitive Neuroscience	169
4.10.5. MA in Endovascular Techniques	169
4.10.6. Master in Biomedical Sciences, Research Focus (FR/EN)	170
4.10.7. Master in Biomedical Sciences, Professional Focus (FR/EN)	170
4.10.8. Master in Biomedical Sciences (60 crédits) (FR/EN)	170
4.10.9. Specialized Master in Public Health Methodology (FR/EN)	171
4.10.10. Master of Science: Biotechnology (English)	171
4.10.11. Master of Science: Biomolecules and Cell Dynamics	172
4.10.12. Master of Science and Medicine: Molecular Biomedicine	172
4.10.13. Master of Medicine: Pharmacological Research	173
4.10.14. Cellular and Molecular Neuroscience MSc	173
4.10.15. Neuro- and Behavioral Sciences MSc	174
4.10.16. Neural Information Processing MSc	174
4.10.17. Medical Informatics MSc	174
4.10.18. Molecular Medicine MSc	175
4.10.19. Biomedical Technologies MSc	175
<b>PH.D. PROGRAMMES</b>	<b>177</b>
<b>1. Social Sciences and Journalism</b>	<b>178</b>
1.1. Economics / Business Administration	178
1.1.1. Ph.D. Program in Economics and Management of Innovation	178
1.1.2. Doctorate in Economics and Business	179
1.2. Psychology	179

1.2.1. Doctoral program on Psychology .....	179
1.3. Law and Administration .....	179
1.3.1. Ph.D. Law, Government, and Public Policy .....	179
1.3.2. Doctoral School of Law (EN/ FR) .....	180
1.3.3. Post-doctoral research program .....	180
<b>2. Natural and Physical Sciences, Mathematics .....</b>	<b>181</b>
2.1. Chemistry .....	181
2.1.1. Electrochemical, Science and Technology (English) .....	181
2.1.2. Ph.D. in Applied Chemistry .....	181
2.2. Environment .....	182
2.2.1. Ph.D. Programme in Ecology .....	182
2.3. Physics .....	182
2.3.1. PhD Program in Theoretical Physics .....	182
2.3.2. Doctoral Program in Condensed Matter Physics, Nanoscience, and Biophysics .....	183
2.4. Mathematics .....	184
2.4.1. PhD Program in Mathematics, Spanish, and English .....	184
2.5. Engineering and Construction .....	185
2.5.1. PhD - Advanced Materials and Nanotechnology .....	185
2.6. Health and Welfare .....	185
2.6.1. Food Science Ph.D. Program / Spanish and English .....	185
2.6.2. Ph.D. Programme in Pharmacology and Physiology .....	186
2.6.3. Ph.D. in Epidemiology and Public Health .....	186
<b>Acknowledgments .....</b>	<b>188</b>



# BACHELOR'S DEGREE PROGRAMMES

# 1. Humanities

## 1.1. History and Archaeology

### 1.1.1. History and Philosophy of Science

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

**DESCRIPTION:**

The history and philosophy of the science department is focused on the philosophical and historical study of all the sciences (mathematical, physical, life, human, social, etc.). in addition, it educates in areas that have developed in interaction with the philosophy and history of science (e.g., 'history of technology,' 'cognitive science,' 'science, technology, society').

This is the only department of its kind in Greece. Its status as a world centre of excellence in research and teaching in Philosophy and History of Science (PHS) is widely acknowledged (see, for example, the department's recent evaluation by an external committee of international experts). Many Courses are taught in English.

**COORDINATES:**

Konstantinos  
DIMITRAKOPOULOS

[cdimitr@phs.uoa.gr](mailto:cdimitr@phs.uoa.gr)

NKUA, Department of  
History and Philosophy of  
Science  
Panepistimioupolis Ilisia,  
15771 Athens

**Website**

**Courses In English**

### 1.1.2. Swedish History of Ideas

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

The course is an introduction to some important ideas and thinkers in Swedish history, from Sweden's position as a great power in the 17th century until the welfare state in the 20th century.

Lectures; theoretical framework from book available in digital form (SU library).

**COORDINATOR:**

Maarit HÄMÄLÄINEN

**Programme webpage**

### 1.1.3. Introduction to Nordic History I (1000-1750)

UNIVERSITY: STOCKHOLM UNIVERSITY

#### DESCRIPTION:

The course is aimed at international students interested in an introduction to Nordic history and to discuss questions about societal and cultural change in the medieval and early modern world.

Compulsory seminars and lectures.

COORDINATOR:

Andreas BLOCH

[Programme webpage](#)

### 1.1.4. Binational Bachelor's Degree in History TübAix

UNIVERSITY: EBERHARD KARLS UNIVERSITY OF TÜBINGEN

#### DESCRIPTION:

In addition to the bachelor's degree in history, the integrated German-French course in history TübAix (Tübingen-Aix) can be studied.

The course was founded in 1991 and is a continuation of the partnership between the universities and cities of Tübingen and Aix-en-Provence, which has existed since 1957 and 1960, respectively. It is thus one of the oldest integrated Franco-German study programmes and has served as a model for other integrated study programmes.

Basic principles:

- Students spend at least one year each during the B.A. programme at the partner university.
- All courses and examinations are mutually recognised.
- At the same time, students acquire the diplomas of both universities within the traditional standard period of study.

[Programme webpage](#)

[More details](#)

COORDINATOR:

Judith OSCHÉ

[tuebaix@uni-tuebingen.de](mailto:tuebaix@uni-tuebingen.de)

+49-7071-2977033

Rümelinstraße 32,

72070 Tübingen

## 1.2. Philosophy

### 1.2.1. Theatre Studies

UNIVERSITY: NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

## DESCRIPTION:

Contemporary Greece: History, Arts, and Letters.

This elective course is addressed to all incoming Erasmus+ / CIVIS students despite the main field of their studies. It is organized by the Department of Theatre Studies in collaboration with academics from the School of Philosophy, and it offers an introduction to Greek history and culture since the creation of the Modern Greek State.

Students are asked to present small papers [through e-class or hard copy (700-1200 words)], and a final essay (5.000-8.000 words) on any of the topics taught depending on their own specific interest after agreement with the lecturers.

**Programme website**

## COORDINATORS:

Platon  
MAVROMOUSTAKOS:  
[platon@theatre.uoa.gr](mailto:platon@theatre.uoa.gr)

Konstantza  
GEORGAKAKI:  
[kgeorga@theatre.uoa.gr](mailto:kgeorga@theatre.uoa.gr)  
+30 210 727 7840  
Department of Theatre  
Studies, School of  
Philosophy  
Panepistimioupoli  
Zografou,  
15784 Athens

## 1.2.2. Sweden – Society and Everyday Life

UNIVERSITY: STOCKHOLM UNIVERSITY

## DESCRIPTION:

Introduction to an ethnological analysis and understanding of Swedish society, past and present.

Consists of lectures, seminars, small group preparatory and excursions.

**Programme webpage**

COORDINATOR:  
Lisa WIKLUND

# 1.3. Literature and Linguistics | Language Learning

## 1.3.1. English Language and Literature

UNIVERSITY: NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

## DESCRIPTION:

BA undergraduate programme in English Language and Literature promotes and develops important fields of the humanities and specialized fields within the wide area of English Studies. Students are encouraged to develop their intellectual faculties, an intercultural awareness, and to carry out independent research.

We aspire to educate and train our students as scholars and future professionals. Our specific goals are to:

## COORDINATORS:

Rea DELVEROUDI:  
[rdel@frl.uoa.gr](mailto:rdel@frl.uoa.gr)

Christina PRAGIANNI:  
[chprag@frl.uoa.gr](mailto:chprag@frl.uoa.gr)



- provide our students with the theoretical and practical knowledge necessary for understanding how language operates, what the structure and the functions of the English language are, how language is used as social practice;
- help them develop the necessary knowledge and communicative abilities in order to use the English language fluently for general and academic purposes;
- help them develop their ability to apply theories of language and language learning to achieve research and educational objectives;
- train them to apply linguistic theories in socially purposeful ways and be able to undertake projects in educational language planning, translation, the use of multimedia in research and education, lexicography, etc.
- examine and conduct research in English literature and culture;
- study Greek culture and literature in relation to English and European literatures and cultures;
- cultivate analytic and synthetic thinking, and the ability of students to write academic papers on Anglophone literature and culture, as well as in theoretical and applied linguistics;
- develop their ability to analyse critically and evaluate texts through the acquisition and use of the proper theoretical tools and methodology with the aim of promoting research.

+30 210 7277793  
Department of French  
Language and Literature,  
School of Philosophy  
Panepistimioupoli  
Zografou, 15784 Athens

The interdisciplinary character of our programme of studies leads to various professional fields, including education, publishing, translation, advertising, the media, and the arts, the public and the private sector in Greece and abroad. Our programme also comprises an initial training in TEFL to ensure that our students are well prepared for a successful career in language education.

The vast majority of our courses in the BA programme are offered exclusively in English.

**Programme webpage**

**More details**

### 1.3.2. French Language and Literature

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

**DESCRIPTION:**

The Department of French Language and Literature offers courses in the wide area of French Studies, French language and literature, history, culture, translation, theoretical and applied linguistics.

**COORDINATORS:**  
Rea DELVEROUDI:  
[rdel@frl.uoa.gr](mailto:rdel@frl.uoa.gr)



Students also take option courses offered by other Departments of the School of Philosophy (Greek Studies, History and Archaeology, Philosophy, Education and Psychology).

In order to graduate with a “Ptychion” (Bachelor’s Degree equivalent) from the Faculty of French Language and Literature of the National and Kapodistrian University of Athens, and according to the European Credit Transfer and Accumulation System (ECTS), each student must accumulate a total of 240 European Credits (ECTS), after successfully completing all the required courses.

The Undergraduate Studies level (NQF 6 or Bac+4) is built on the basis of semester modules.

Students are required to take an educational enrolment in compulsory, optional, and optional modules whose courses they wish to take during each semester. To prepare for the examinations, one or two books (manuals or other) are distributed free of charge per module, with or without handout(s).

The Department courses in the BA program are offered exclusively in French.

Christina PRAGIANNI:  
[chprag@frl.uoa.gr](mailto:chprag@frl.uoa.gr)  
+30 210 7277793

Department of French  
Language and Literature,  
School of Philosophy  
Panepistimioupoli  
Zografou, 15784 Athens

### 1.3.3. German Language and Literature

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

#### **DESCRIPTION:**

The Department of German Language and Literature focuses on training educational professionals capable of teaching the German language and literature at all levels of the educational system. To attain these objectives, the curriculum puts a strong emphasis on providing students with practical skills in linguistics and literature but also includes a wide array of classes from areas such as translation studies, cultural studies, and philosophy. Since, with a few exceptions, all courses are held in German, a good working knowledge of German is indispensable for future applicants.

Students are required to complete a course load of 44 courses (40 at the Department of German Language and Literature, and four courses offered by other Faculties within the Faculty of Philosophy). All classes meet three hours a week for 13 weeks per semester.

Courses fall into two categories:

- Type A courses are compulsory and have to be completed within the first four semesters. They are held in a traditional teaching way in the classroom and are usually completed by a written exam.

#### **COORDINATOR:**

Aikaterini MITRALEXI  
[kmitral@gs.uoa.gr](mailto:kmitral@gs.uoa.gr)  
+30 210 7277307

Department of German  
Language and Literature,  
School of Philosophy  
Panepistimioupoli  
Zografou, 15784 Athens

- Type B courses are elective classes that students enroll in during the final four semesters of their studies. They are held in small groups in the classroom and are usually completed by a term paper and an oral presentation in the class.

### Graduate studies

### Location

### Open courses

### The faculty

## 1.3.4. Italian Language and Literature

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

### **DESCRIPTION:**

The BA Programme of the Department of Italian Language and Literature focuses on the language, the literature, and the culture of Italy, as well as the cultural interactions between Greece and Italy. The Italian language courses are offered to students during all of the semesters and are a prerequisite for their educational development. The linguistics courses of the Faculty are designed to familiarize students with the basic theoretical and methodological principles of linguistic science. They cover a wide range of areas of both theoretical and applied linguistics, and they provide updated knowledge on the latest trends in theoretical linguistic analysis and language teaching.

Particular reference should be made about our Faculty's courses that combine linguistics and New Technologies, offering advanced knowledge and hands-on laboratory experience to our students in rapidly evolving interdisciplinary fields.

The courses of Italian Literature primarily aim at teaching the main genres, literature waves, and writers from the Middle Ages until today. Moreover, their target is to highlight the possibility of multiple scientific approaches within the field of Literature as well as the deeper study of literary trends on the research and teaching of Literature and Comparative Literature.

Particular emphasis is given to literary interactions between Greece and Italy. Students learn the basic principles of narratology; they exercise in textual analysis and in the use of literature. Students are also taught how to deal with scientific discourse.

### **COORDINATOR:**

Gerassimos ZORAS  
[gerzoras@ill.uoa.gr](mailto:gerzoras@ill.uoa.gr)  
+30 210 727 7825

Department of Italian  
Language and Literature,  
School of Philosophy  
Panepistimioupoli  
Zografou, 15784 Athens

Culture lessons introduce students to the study of:

- a) History and Civilization of Italy (Italian History and Civilization I and II, Topics in Italian History and Civilization).
- b) The common history of Greeks and Italians during the long Venetian dominion in Greece (Venetian dominion – Seminar on Palaeography and the Edition of historical sources.
- c) Italian Theatre (Introduction to Theatre, History of Italian Theatre).
- d) Italian Art (Special topics in Italian culture).
- e) Italian Music (Introduction to Italian Music I and II, Special Topics in Italian music.

Many courses are taught in Italian.

**Programme website**

### 1.3.5. Spanish Language and Literature

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

**DESCRIPTION:**

The BA in Spanish Language and Literature focuses specifically on the study of language, linguistics, literature, and civilization of Spain and Latin America.

The program offers its students the ability to:

- understand the structure and function of the Spanish language,
- use the Spanish language in education/teaching and other scientific areas
- study the literature and civilization of Spain and Latin America,
- develop basic research abilities in the areas of language/linguistics/translation and literature/civilization and use of scientific methodology,
- acquire high standard knowledge and teaching ability of the Spanish language in order to facilitate his/her career.

Most of the courses are taught in Spanish.

**Programme website**

**Study programme**

**COORDINATOR:**

Dimitrios DROSOS

[dimdros@spanll.uoa.gr](mailto:dimdros@spanll.uoa.gr)

+30 210 7277392

Faculty of Hispanic  
Language and Literature,  
School of Philosophy  
Panepistimioupoli  
Zografou, 15784 Athens

### 1.3.6. English I

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

The course includes and introduction to:

- English vocabulary and grammar
- analysis of English-language literature,
- linguistics,
- academic writing and reading.

Lectures and seminars; workshops (exercises to be prepared before); group work outside of lesson hours.

**COORDINATOR:**

Mikko HÖGLUND

**Programme webpage**

### 1.3.7. English for Young Learners: Language Education I

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

Course for teaching English at primary school level.

You will learn how to use a communicative language teaching approach in the classroom. Part-time course given at a distance; two mandatory seminars at campus.

**COORDINATOR:**

Jorunn NILSSON

Web-based learning platform Athena is used for communication, learning activities, and course assignments

**Programme webpage**

### 1.3.8. Language and Geography

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

The course provides advanced knowledge of human languages from a geographical perspective, introduces geographical information systems (GIS) and tools for creating language maps.

**COORDINATOR:**

Kristina NILSSON  
BJÖRKENSTAM

Lectures and practical exercises.

**Programme webpage**

### 1.3.9. French: Thematic Literary Studies: Travel

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

The course presents the theme of travel in French-language literature.

It consists of active seminars, oral and written exercises.

**Programme webpage**

**COORDINATOR:**

Eva ANDERSSON

### 1.3.10. Lithuanian I

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

The aim of the course is for you to gain a certain practical oral and written proficiency in Lithuanian language usage as well as basic knowledge about the Lithuanian language and its cultural context.

No previous knowledge of Lithuanian is required.

The course is taught in the form of lectures and seminars.

**Programme webpage**

**COORDINATOR:**

Lilita ZALKALNS

### 1.3.11. Swedish for International Students course 1

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

The course is aimed at international students and researchers at Stockholm University who need basic Swedish to communicate with Swedish speakers during their stay in Sweden.

The course consists of a limited number of tutorials in study groups of around 200 to 300 students. Regular homework, assignments, and self-study is compulsory—support of dictionary online and web course.

For admission to the complementary course Swedish for International Students, you have to be admitted and registered on at least 15 ECTS at Stockholm University.

**Courses**

**Programme webpage**

**COORDINATOR:**

Lydia LUNDGREN

## 1.3.12. Computational Linguistics

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

### DESCRIPTION:

Computational Linguistics is an interdisciplinary combination of the subjects General Linguistics and Computer Science and is concerned with the simulation of human language production in computer-based models. It includes the implementation of language processing systems in various application scenarios.

- Graduates obtain a good overview of the central topics in Computational Linguistics: symbolic/rule-based, statistical methods, and corpus linguistics.
- They can apply mathematical methods from logic and statistics.
- They are familiar with the central topics in general linguistics: Morphology, syntax, and semantics.
- They can design computer programs and implement general data structures and algorithms from informatics and computational linguistics in an object-oriented language;
- equally, they have a sufficient grasp of theory and the ability to implement grammar and parsers operating with it and statistical methods of language processing.

**Programme webpage**

### COORDINATOR:

Seminar für  
Sprachwissenschaft  
[sfs-sekr@uni-tuebingen.de](mailto:sfs-sekr@uni-tuebingen.de)

Wilhelmstraße 19, 72074  
Tübingen  
+49-7071-297 4279

## 1.3.13. Introduction to Formal Semantics

**UNIVERSITY:** STOCKHOLM UNIVERSITY

### DESCRIPTION:

Introduction to the art of doing formal semantics, also called model-theoretic semantics, for natural languages.

Lectures, sometimes extra hours for exercise; obligatory homework.

The course can also study at the advanced level, with corresponding additional exam requirements.

**Programme Webpage**

### COORDINATOR:

Dag WESTERSTÅHL

## 1.4. Cultural Studies

### 1.4.1. Turkish Studies

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

**DESCRIPTION:**

The operation of a Faculty of Turkish Studies per se has been a long-standing requirement, both within the University of Athens and the academic community in general. There can be no doubt that its establishment, after a rather long period of preparation, deviates from the specific and far-famed boundaries of the “typical” Schools of Philosophy, with their West-European linguistic and literary focus (e.g., English, French and German Languages and Literatures) and enters into the domain of Area Studies (Études Régionales, Raum Wissenschaften).

The teaching of the Turkish language, History, and Culture at the University level is ground-breaking since it creates a University department focusing exclusively on this particular cognitive and cultural world for the first time in Greek academic history.

The Faculty of Turkish Studies and Modern Asian Studies is supervised by a temporary General Assembly, comprising (since November 2010) faculty members. It aims to bring the scientific study of language, history, and culture of Turkey to our country, well beyond amateur approaches and non-scientific vulgarisations that rely merely on sentiment, and to shed light on its long course, with which Hellenism, in its widest sense, has maintained close contacts for many centuries.

During the last six years, the Faculty of Turkish Studies and Modern Asian Studies has operated exclusively by relying on specialised scientists and has launched schemes of co-operation with Turkish universities within the context of the Erasmus programme.

The future of the Faculty is both promising and far-reaching, and it is more than certain that its presence will widen the scientific horizons of the current academic space, suppressing superficialities and allusion, eliminating brinkmanship in political theory and thought, overcoming deadlocks and syndromes, and thus contributing significantly towards a self-confident knowledge and understanding, not only of the other side of the Aegean but also of the wider super-systemic area of the Greater Middle East and Central Asia.

**COORDINATOR**

Ioannis MAZIS  
[yianmazis@turkmas.uoa.gr](mailto:yianmazis@turkmas.uoa.gr)  
[secl@turkmas.uoa.gr](mailto:secl@turkmas.uoa.gr)  
+30 210 3689588

Department of Turkish  
Studies and Modern Asian  
Studies  
Dragatsaniou 4, 10559  
Athens



List of Courses in English and in Greek and Turkish offered for CIVIS Students:

- 70052, Greek-Orthodox Communities in Asia Minor and the eastern Mediterranean (English)
- 70095, Turkish Diplomacy during the Cold War (English)
- 70091 C, Turkish Language VII - Translation of general texts (Greek Turkish)
- 70118, Political Islam in Contemporary Turkey (II): Intellectuals and Writings (English)
- 70225, Introduction to the History of Ottoman Armenians from the expansion of the Ottoman State to the foundation of the Turkish Republic (29 October 1923) (English)
- Energy Politics and Security (English)
- 70079, Gender issues in Turkish Society (offered in CIVIS during the academic year: 2021-22) (English)

### Website

## 1.4.2. Japanese Studies

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

### **DESCRIPTION:**

The subject of Japanology is the scientific study of Japan in both historical and contemporary perspectives on the basis of Japanese sources. During your studies, you will learn the Japanese language on the one hand, and on the other hand, you will intensively deal with the cultural, political, and social conditions of Japan.

You can study Japanese Studies as a major or minor subject: In the four-year program B. A. Japaneseology (major), you will learn the modern Japanese language in spoken and written form. You will acquire a broad basic knowledge of Japan and in-depth knowledge of the Tübingen research foci (see "Profile"). The study programme B. A. Japaneseology (minor subject) provides basic knowledge of the language and culture of Japan.

### Programme Webpage

### **COORDINATOR:**

Eva-Maria MEYER  
[eva-maria.meyer@uni-tuebingen.de](mailto:eva-maria.meyer@uni-tuebingen.de)  
+49-7071-2973986

## 1.4.3. Korean Studies

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

### **DESCRIPTION:**

Korean Studies in Tübingen is a regional science subject. The content focus is on Modern Korea, with courses on Korean history, society, culture, politics, and economy in a regional and global

### **COORDINATOR:**

Jerôme DE WIT



context. Approaches from everyday life and global history, as well as cultural studies, are applied. Korean language instruction is also very intensive.

Learning Korean plays a prominent role in the bachelor's programme with a wide range of language courses, exercises, and tandem offers with Korean exchange students. The languages used in class are German, English, and Korean.

As an integrated international course of study, the bachelor's programme also includes a one-year study abroad in Korea for the main subject students of Korean Studies. This year abroad is compulsory and enables students to acquire a high level of language, professional, and intercultural competence.

Graduates of Korean Studies, therefore, achieve a Korean language level of at least TOPIK Level 4 / Language Level B2 CEFR and have a solid knowledge of modern Korea, especially in the areas of history, society, and culture.

**Programme webpage**

[jerome.de-wit@uni-tuebingen.de](mailto:jerome.de-wit@uni-tuebingen.de)  
+49-7071-29 72736

### 1.4.4. Chinese Studies

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

**DESCRIPTION:**

Students who decide to study Sinology in Tübingen receive first-class language training in Chinese throughout Germany and get to know China first-hand: at the European Centre for Chinese Studies (ECCS) at the famous Peking University. The B.A. Sinology/Chinese Studies course of study with a practical focus on professional practice is designed to provide a practice-oriented education that combines the acquisition of fluency in Mandarin (level C1, 3000 characters) with the acquisition of intercultural and technical language skills in the fields of business, media and energy, and environmental management in China and offers concrete insights into professional life in China through study-integrated internships on-site.

**COORDINATOR:**

Anna STROB  
[anna.strob@uni-tuebingen.de](mailto:anna.strob@uni-tuebingen.de)  
+49-7071-2972703

The Bachelor's programme consists of teaching modules. In the first two years, basic modules from the field of language teaching (Mandarin and written Chinese) must be attended, as well as introductions to Sinology, Regional Studies, History, and Intellectual History, and the political systems in the Greater China region.

The fourth and fifth semesters are obligatory in an ideal environment in Beijing. The stay includes professional internships on-site in the fields of economics, media, or energy and environmental management.

In addition, more intensive language training in Chinese is offered with a focus on the language of the Chinese professional world. In the fourth year, in addition to further language courses on conversation, translation, and written language, students must complete in-depth thematic elective modules which can be chosen freely from the department's range of courses.

**Programme webpage**

### 1.4.5. Interdisciplinary American Studies (IAS)

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

**DESCRIPTION:**

The B.A. program IAS offers students a strong core curriculum of courses in literary and cultural studies and a flexible elective curriculum incorporating related disciplines such as history, political science, media studies, and sociology.

**COORDINATOR:**

American Studies  
[amerikanistik@uni-tuebingen.de](mailto:amerikanistik@uni-tuebingen.de)  
+49-7071-2972910

The IAS program stands out by offering a Mobility Option:

- Students can decide to extend their program for a year to study at one of our American partner universities
- and/or do an internship in Germany or abroad.

The strong English-language component of the program – intensive writing skills as well as advanced translation and oral communication courses – prepares IAS students to express themselves in excellent English at a near-native level.

**Programme webpage**

### 1.4.6. Oriental Languages and Cultures

**UNIVERSITY:** SAPIENZA UNIVERSITY OF ROME

**DESCRIPTION:**

Oriental Languages and Cultures; BA;  
Arabic, Bengali, Chinese, Korean, Japanese, Hindi, Persian

**COORDINATOR:**

Prof. Ciro LOMUZIO  
[ciro.lomuzio@uniroma1.it](mailto:ciro.lomuzio@uniroma1.it)

The Degree Course in Oriental Languages and Cultures aims to provide indispensable tools both linguistic and cultural in a broad

sense, relating to the countries of Asia and of Africa, to train graduates with a good linguistic preparation in at least one modern communication language used in these countries, possibly accompanied by basic skills in a second modern language with the same characteristics, accompanied by a necessary knowledge of the English language, supported by basic training in historical linguistics and in Italian language and literature.

The course provides for the possibility of obtaining the double Italian-Chinese title

**Courses catalog**

**Programme webpage**

**DIDACTIC  
SECRETARYSHIP:**

Anna Maria ABBATE  
[annamaria.abbate@uniroma1.it](mailto:annamaria.abbate@uniroma1.it)

## 1.4.7. Languages, Cultures, Literatures, Translation

**UNIVERSITY:** SAPIENZA UNIVERSITY OF ROME

**DESCRIPTION:**

Languages, Cultures, Literatures, Translation; BA;

Two main foreign languages (plus an optional third), chosen from over 20 different languages, including

French, Portuguese, Brazilian, Polish, Ukrainian, Hindi, English, Romanian, Czech, Hungarian, New Greek, Albanian, Hebrew, Nordic languages

The Course of Studies in Languages, Cultures, Literatures, Translation allows its graduates to develop two main foreign languages on an equal footing (in addition to an optional third), chosen from over 20 different languages, and to move confidently in the field of the corresponding contexts and relative historical-cultural traditions.

All students who obtain a Degree will have the opportunity to access the Master's Degree and further levels of training (doctorate and master), which will qualify them professionally or for teaching and research purposes. Those who, on the other hand, intends to enter the world of work at the end of the Bachelor's Degree will have a wide range of possibilities at their disposal.

**Programme webpage**

**COORDINATOR:**

Prof. Isabella  
TOMASSETTI  
[Isabella.tomassetti@uniroma1.it](mailto:Isabella.tomassetti@uniroma1.it)

**DIDACTIC REFERENT:**  
Claudio VITALE  
[claudio.vitale@uniroma1.it](mailto:claudio.vitale@uniroma1.it)

## 1.4.8. Linguistic and intercultural mediation

**UNIVERSITY:** SAPIENZA UNIVERSITY OF ROME

### DESCRIPTION:

Linguistic and intercultural mediation; BA;  
French, Portuguese, Brazilian, Polish, Ukrainian, Hindi, English,  
Romanian, Czech, Hungarian, Modern Greek

The Degree Program in Linguistic and Intercultural Mediation is a three-year degree course with restricted access established as part of the L12 Degree Class. Graduates of the Degree Course in Linguistic and Intercultural Mediation will have the opportunity to access a Master's Degree Course, according to the provisions of the regulations of each course, or a first-level Master's degree according to the regulations of the University that organizes it.

The Degree Program is structured in a single curriculum.

The curriculum includes the study of two languages up to the achievement of a medium-high level linguistic and communicative competence, as well as the knowledge of the related cultural and textual heritages.

**Programme webpage**

### COORDINATOR:

Prof. Angela  
TARANTINO  
[angela.tarantino@uniroma1.it](mailto:angela.tarantino@uniroma1.it)

### DIDACTIC REFERENT:

Claudio VITALE  
[claudio.vitale@uniroma1.it](mailto:claudio.vitale@uniroma1.it)

## 2. Education

### 2.1. Education

#### 2.1.1. Education in Multicultural Society

**UNIVERSITY:** STOCKHOLM UNIVERSITY

### DESCRIPTION:

The course introduces the participants to the study of cultural diversity in society and the impact this has upon our understandings of education. The course combines lecturing, seminars, discussions, and group work with compulsory assignments.

Mandatory attendance (at least 70%) applies to seminars and group work. Absence is supplemented with a written assignment

**Programme Webpage**

### COORDINATOR:

Meeri HELLSTÉN

## 2.1.2. Special Education, Disability and Learning

**UNIVERSITY:** STOCKHOLM UNIVERSITY

### DESCRIPTION:

This course addresses the most common disabilities and their educational consequences, as well as the teaching of pupils with these different disabilities. Course delivery is through lectures, seminars, to individual and group assignments.

**COORDINATOR:**

Khaleda GANI DUTT

We use an online learning platform to facilitate discussion and reflection on the course literature.

**Programme webpage**

## 2.1.3. Double Degree: Educational Sciences – Pedagogy

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

### DESCRIPTION:

**Course structure:** The programme is developed by both institutions. Danish and Romanian professors teach in own institution and also teach at partner institutions, jointly work out the curriculum, take part in joint commissions for admission and examinations; the students' stays at the participating institutions are of comparable length; students from each participating institution study parts of the programme at the other institution.

**COORDINATOR:**

Anca NEDELCU

[anca.nedelcu@fpse.unibuc.ro](mailto:anca.nedelcu@fpse.unibuc.ro)

+4031-425.34.52

**Curriculum:** The partners agreed on educational goals, learning outcomes, i.e., competence profiles of graduates. The curriculum design of the majority of study programmes is equivalent to the following model: comparable courses in the study programme and different offers of specialisation by each partner university, i.e. the core of the curriculum or the initial part is similar in structure and content, but each partner university offers a unique area for specialization.

### Curriculum for Danish students:

- Classroom and Groups Management (6 ECTS)
- Leisure Time Pedagogy, Social-cultural animation (6 ECTS)
- Sociology of Education and Citizenship (6 ECTS)
- Educational and social policy (6 ECTS)
- Professional practice (6 ECTS)

### Curriculum for Romanian students:

- Module 9: Social education, nature, and outdoor activities and fieldwork in Pedagogical Institutions (20 ects)
- Module 5: Collaborative creation and citizenship (10 ects) | Internship: Collaboration and development (30 ects)

### Website

## 2.1.4. Pedagogy

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

### DESCRIPTION:

The program of study in the field of Pedagogy was elaborated in a close correlation with the needs identified on the labor market in the educational sector, but also considering the cross-sectoral perspectives: education - youth - social - civic - technology - entrepreneurship / free initiative.

The main mission of the Bachelor's program in Education Sciences - Pedagogy aims to qualify the specialists in the field of education and training to contribute to the increase of the quality of human resources and to the development of the educational system in Romania.

The main objectives proposed to the students of this specialization:

- Specialization in two professional fields of major interest for the labor market: Education and training and Social pedagogy and counseling.
- Training as specialists in the field of education and training by developing the skills necessary for the exercise of specific professions at organizational, institutional, local, and national levels.

### Website

### COORDINATOR:

Antoaneta-Firuța TACEA  
[tacea.firuta@gmail.com](mailto:tacea.firuta@gmail.com)

## 3. Social Sciences and Journalism

### 3.1. Economics / Business Administration

#### 3.1.1. Economics

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

**DESCRIPTION:**

Courses offered in English for Erasmus Students.

**Website**

**COORDINATOR:**

Evgenia BOURNOVA  
[bournova@econ.uoa.gr](mailto:bournova@econ.uoa.gr)  
+30 210 3689469  
National and Kapodistrian  
University of Athens,  
Department of Economics  
1, Sofokleous str., 10559  
Athens

#### 3.1.2. Basic Statistics for Economists

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

This course gives you an introduction to the basic principles of statistics and an overview of the methods that can be useful in economic applications. You will learn the basics for making market surveys, compile data for decision making, and basic econometric methods.

The teaching forms consist of lectures and exercises. Individual written examinations and oral examinations of group work are compulsory.

The course forms part of the Bachelor's Programme in Business Administration, but you can also study it as a freestanding course.

**Programme webpage**

**COORDINATOR:**

Hanna BERGGREN  
LARSEN



### 3.1.3. Managerial Accounting, Course Module

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

This Course Module (semester 5 in the Bachelor's program in business) is an in-depth study in Managerial Accounting. This Course Module consists of four courses: Financial Reporting, Operations Management, Corporate Enterprise Analysis, Performance Management.

**COORDINATOR:**

Anna LÖNNBERG

From our website, click on the "Log in" button and select "Stockholm University." You will then be able to search for the courses.

To be able to apply for SSES courses on Universityadmissions.se, you have to be admitted to a Master Program at Stockholm University (SU) or admitted to Kandidatprogramet i Företagsekonomi, Bachelor program Global Management, Bachelor's programme in International Business and Politics.

**Website**

**Programme webpage**

### 3.1.4. Business Administration

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

**DESCRIPTION:**

The aim of the program is to help students to become familiarized with the latest theory in business administration and to help them apply the best practices in the field.

Finding the best marketing strategy, the best management structure, understanding the risks that a company is exposed to and finding the best ways to deal with them, making decisions while taking into consideration the principles of finance and accounting, data analysis, and making inferences in order to deal with business issues are just some of the elements which the program aims to cover.

Another task which the program aims to accomplish is to develop the students' capacity for free speech and critical thinking, to make use of various resources available to them in order to grow the business while taking into account the

**COORDINATORS:**

Cătălin GRĂDINARU  
Faculty of Business and  
Administration  
[catalin.gradinaru@faa.unibuc.ro](mailto:catalin.gradinaru@faa.unibuc.ro)  
+40 726 188 196

Cosmin IMBRIȘCĂ  
Faculty of Business and  
Administration  
[cosmin.imbrisca@faa.unibuc.ro](mailto:cosmin.imbrisca@faa.unibuc.ro)  
+40 723 237 436



global environment, the challenges posed by sustainable growth and cultural diversity.

**Programme webpage**

## 3.2. Political Sciences

### 3.2.1. Political Science

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

**DESCRIPTION:**

Courses in English: 'The European Policies of the EU Member-States.'

Course on 'The Nation-State and European Integration,' taught by Associate Professor Susannah Verney.

**Website**

**COORDINATOR:**

Michalis TSINISIZELIS  
[mictsin@gmail.com](mailto:mictsin@gmail.com)  
+30 210 368 8951  
Department of Political  
Science and Public  
Administration  
6 Themistokleous Str.  
106 78 Athens

### 3.2.2. Middle Eastern and North African Politics and Economy

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

Introduction to the political and economic landscape of the Middle East and North Africa and the potential for democratization and economic development in the region.

**Website**

**COORDINATOR**

Martin SÄFSTRÖM

### 3.2.3. Political Science

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

**DESCRIPTION:**

Undergraduate study program of 3 years (6 semesters). No. of credits: 180 ECTS

The program in Political Science was established in 1997. Fully taught in English, this BA stream was a forerunner in Romanian

**COORDINATOR**

Dan PAVEL

higher education. Around 10 to 15% of the student body are foreign nationals from Europe, North America, Asia, and Africa. The curriculum provides the foundations of political science with introductory courses on the scientific study of core disciplines in comparative politics, political theory, international relations, comparative constitutionalism, political economy, data analysis, and methodology.

All students are enrolled for one full academic year in internship activities with governmental and non-governmental partners, such as state institutions (the Romanian Presidency, the Romanian Parliament), the central administration (various ministries and governmental agencies), the local administration (mayor's office, city hall offices); political parties; representations of various international organizations or governments, such as the United Nations agencies, the EU institutions and foreign embassies in Romania; top national and international non-governmental organizations (NGOs); media outlets;

All students are also enrolled in specialized English language courses, which help them consolidate their basic language skills and allow them to acquire the relevant vocabulary and linguistic proficiency required by top international employers.

### Website

[danestedan@yahoo.com](mailto:danestedan@yahoo.com)  
[dan.pavel@fspub.unibuc.ro](mailto:dan.pavel@fspub.unibuc.ro)

## 3.2.4. International Relations and European Studies (RISE)

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

### **DESCRIPTION:**

Undergraduate study program of 3 years (6 semesters). No. of credits 180 ECTS. Three-year undergraduate program dedicated to training future experts and leadership in European affairs and international relations.

The curriculum provides the foundations of international relations with introductory courses on the scientific study and history of international relations, international politics, international governmental and non-governmental organizations, European Union institutions, European Union policies, international political economy, International public law, research design, and methodology for international relations, as well as more specialized topics such as global social movements or international conflict management, and area studies – Europe, Asia, Africa, Latin America, US.

### **COORDINATOR:**

Luciana GHICA  
[luciana.ghica@fspub.unibuc.ro](mailto:luciana.ghica@fspub.unibuc.ro)

All students are enrolled for one full academic year in internship activities with governmental and non-governmental partners, such as embassies, ministries, media outlets, and top Romanian and international NGOs.

All students are also enrolled in specialized English language courses, which help them consolidate their basic language skills and allow them to acquire the relevant vocabulary and linguistic proficiency required by top international employers.

### **Programme webpage**

## **3.2.5. Political Science; Licence en Sciences Politiques**

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

### **DESCRIPTION:**

Undergraduate study program of 3 years (6 semesters). No. of credits 180 ECTS.

Our BA program in the field of Political Science provides students with the knowledge and skills to understand the articulation of political power in contemporary societies.

Our core curriculum and elective courses include introductory courses on comparative politics, political theory, international relations, comparative constitutionalism, political history, economy, data analysis, and methodology. Several courses deal specifically with French politics and society.

All students are enrolled for one full academic year in internship activities with governmental and non-governmental partners, such as state institutions (the Romanian Presidency, the Romanian Parliament), the central administration (various ministries and governmental agencies), the local administration (mayor's office, city hall offices); political parties; etc.

All students are also enrolled in specialized French language courses, which help them consolidate their basic language skills and allow them to acquire the relevant vocabulary and linguistic proficiency required by top international employers.

### **Programme webpage**

### **COORDINATOR:**

Raluca ALEXANDRESCU  
[raluca.alexandrescu@fspub.unibuc.ro](mailto:raluca.alexandrescu@fspub.unibuc.ro)

## 3.3. Sociology

### 3.3.1. Gender and Sexuality

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

The course provides a broad empirical and theoretical overview of gender and sexuality within anthropological research. It consists of lectures and seminars.

**Website**

**COORDINATOR:**

Ivana MAČEK

## 3.4. Journalism and Information

### 3.4.1. Communication and Media Studies

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

**DESCRIPTION:**

The BA program offers courses in such diverse areas as the Theory and Practice of Media, Political Communication, Psychology, Sociology, Philosophy, Political Science, History, Cultural Studies, History of Art, Linguistics, Modern Greek Studies, Law, New Technologies and its applications, Print, Radio, Television and Online Journalism, Advertising, Public Relations, New Media. Many courses are held in English.

**Unavailable link**

**COORDINATOR**

George PLEIOS

[gplios@media.uoa.gr](mailto:gplios@media.uoa.gr)

+30 210 3689385

NKUA Department of  
Communication and Media  
Studies

1 Sophocleous Str.,  
10559 Athens

### 3.4.2. Swedish Film and Television Culture

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

Recommended for exchange students and international free movers interested in Swedish cinema and television. The course explores the moving image in Swedish culture and society—lectures and screenings in films (the house of film).

**Unavailable link**

**COORDINATOR**

Birgitta FIEDLER

## 4. Administration and Law

### 4.1. Administration and Law

#### 4.1.1. Legal Studies

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

**DESCRIPTION:**

Course List and Contents 2019-2020 for Erasmus Students.

**Unavailable link**

Course in the framework of the Erasmus program:

- International Business Transactions
- International Insolvency Law. General Principles
- National rules
- International Conventions
- European Regulation 1346/2000
- Recast Regulation 848/2015

Taught in English by Prof. Eleni MOUSTAIRA:

[emoustai@law.uoa.gr](mailto:emoustai@law.uoa.gr)

International Telecommunications Law is offered both to domestic and ERASMUS students by George

KYRIAKOPOULOS [yokygr@law.uoa.gr](mailto:yokygr@law.uoa.gr)

IT Law, taught by Georgios GIANNOPOULOS:

[gyannop@law.uoa.gr](mailto:gyannop@law.uoa.gr)

**COORDINATOR**

Kalliopi CHRISTAKAKOU-  
FOTIADI

[kchrista@law.uoa.gr](mailto:kchrista@law.uoa.gr)

[erasmus@law.uoa.gr](mailto:erasmus@law.uoa.gr)

[ddimou@uoa.gr](mailto:ddimou@uoa.gr)

+30 210 3688747

#### 4.1.2. Licence en Droit – Master I (Droit europeen)

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

**DESCRIPTION:**

A double undergraduate French/ Romanian-taught program offered jointly by both the Faculty of Law of the University of Bucharest and the Paris I Pantheon-Sorbonne University.

While offering the regular Romanian Bachelor of Laws undergraduate diploma, the program also offers a number of diplomas awarded directly by the Sorbonne. The Romanian courses are taught by the Faculty's own academic staff, while the French courses are delivered by professors from 14 French Universities.

**COORDINATOR**

Rhoda ȘERBAN

[info@collegejuridique.ro](mailto:info@collegejuridique.ro)

[rhoda.serban@collegejuridique.ro](mailto:rhoda.serban@collegejuridique.ro)

Law College's Secretary  
General, Faculty of Law,



Co-funded by the  
Erasmus+ Programme  
of the European Union



The program offers a triple specialisation: Compared Law, International Law and European Institutional and Business Law. The modules comprise of both lectures and tutorials, encouraging students to discuss and debate the most controversial legal issues in a variety of fields.

College Juridique d'Etudes  
Europeennes

Students who successfully complete the program not only benefit from being awarded a double degree, but they also participate in a highly diverse and challenging multicultural environment, gaining a vast international perspective over the legal culture of both systems. The program also offers internships and traineeships with various French and European institutions.

Alumni of the double degree program turn to various legal professions in Romania, France, or Europe.

**[Programme webpage](#)**

## 5. Natural and Physical Sciences | Mathematics

### 5.1. Biology

#### 5.1.1. Developmental Biology

UNIVERSITY: STOCKHOLM UNIVERSITY

DESCRIPTION:

Developmental biology concerns how the fertilized egg gives rise to a new organism.

The course will cover the molecular and cellular mechanisms that give rise to form and pattern in animals and plants.

The education consists of lectures, laboratory exercises, group work, and seminars.

[Programme webpage](#)

COORDINATOR

Björn BIRGERSSON

### 5.2. Biochemistry

#### 5.2.1. Biochemistry III- Proteins from gene to function

UNIVERSITY: STOCKHOLM UNIVERSITY

DESCRIPTION:

This course will provide a deeper understanding of proteins by studying their life and their death. We will also explore how it functions to carry out biochemical processes.

The course will consist of twelve lectures and three laboratory practicals. There is also a literature assignment (group works), where students will work in small groups to investigate a contemporary, front-line area of biochemical research.

[Programme webpage](#)

COORDINATOR

Daniel DALEY

## 5.3. Chemistry

### 5.3.1. Chemistry

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

**DESCRIPTION:**

This Bachelor programme aims to produce a trained human resource in a fundamental domain of human knowledge: chemistry. Besides ensuring a robust background in related fields such as mathematics (differential and integral calculus, linear algebra, mathematical statistics), informatics, and physics (optics, electromagnetism, quantum physics), the programme includes formation in various fields of chemistry:

- organic chemistry (organic compounds, reaction mechanisms, natural compounds, structural analysis);
- physical chemistry (kinetics, thermodynamics, atomic and molecular structure, electrochemistry, macromolecules, and colloids);
- inorganic chemistry (general chemistry, group theory, metals and non-metal elements, coordinative chemistry, supramolecular chemistry);
- analytical chemistry (qualitative and quantitative analysis; instrumental analysis - electrochemical and spectrometric methods, separation methods, chromatography, quality assurance, and control); chemical technology and catalysis;
- basic biochemistry.

Optional disciplines focussed on the leading directions in modern chemistry are included. The cycle forms trained personnel for quality control laboratories, industry, research institutes in chemistry and related fields, as well as teaching staff for gymnasia and high schools and represents a selection base for higher formation cycles (master and doctorate).

It transfers the requisite practical expertise (behavioral and experimental) for chemists at the regional and European level

**Admission webpage**

**Programme webpage**

**COORDINATOR**

Andrei MEDVEDOVICI  
Faculty of Chemistry  
[andrei.medvedovici@chimie.unibuc.ro](mailto:andrei.medvedovici@chimie.unibuc.ro)



### 5.3.2. Technological Biochemistry

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

**DESCRIPTION:**

This bachelor program represents an excellent graduate training opportunity for students wishing to achieve an education in Biochemistry.

In the first three semesters, the curriculum includes fundamental subjects such as: mathematics, physics, computer science, as well as inorganic, organic, analytic, and physical chemistry.

The specialization includes courses in biochemistry:

- bioorganic chemistry,
- analytical biochemistry,
- quantum biochemistry,
- biomolecules,
- bioelectrochemistry,
- molecular and cellular biology,
- enzymology and enzyme kinetics,
- metabolism,
- biotechnology and catalysis,
- technology of recombinant DNA.

The course is particularly addressed to students who wish to achieve a mixed science background (chemistry, physics, biology).

**Programme webpage**

**COORDINATOR**

Eliza OPREA  
[eliza.oprea@g.unibuc.ro](mailto:eliza.oprea@g.unibuc.ro)  
Faculty of Chemistry

### 5.3.3. Medicinal Chemistry

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

**DESCRIPTION:**

The Medicinal Chemistry Bachelor programme focuses on the interface of chemistry with biology and medicine and provides training in chemistry as well as biochemistry and medicinal chemistry.

This BSc programme includes modules in the fundamentals of chemistry (organic chemistry, physical chemistry, inorganic chemistry, analytical chemistry), along with modules in biochemistry, anatomy and physiology, pharmacology and toxicology, immunology, and immunochemistry. The course structure shares three semesters with the Pharmaceutical Chemistry Bachelor programme.

**COORDINATOR**

Augustin MADALAN

[augustin.madalan@chimie.unibuc.ro](mailto:augustin.madalan@chimie.unibuc.ro)  
Faculty of Chemistry

This BSc programme provides a broad base of chemical knowledge and understanding, reinforced by practical experience in synthesis and instrumental techniques, necessary for a better understanding of the drug design and of the connexions between the chemical structure and clinical effectiveness.

This programme is recommended for students considering a career in chemistry research and development, clinical laboratory, quality control, as well as teaching and represents a selection base for higher formation cycles (master and doctorate).

#### **Admission details**

#### **Programme webpage**

### **5.3.4. Pharmaceutical Chemistry**

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

#### **DESCRIPTION:**

The study program in Pharmaceutical Chemistry is designed for students who wish for more focused training in the synthesis and analysis of compounds of pharmacological significance.

It is a specialized area of chemistry that emphasizes drug design and drug development, as well as important issues surrounding therapeutics like toxicology and quality control.

The program will provide a thorough background in chemistry, biology, physics, and mathematics, as well as a broad laboratory-based learning of pharmaceutical topics. The curriculum provides opportunities for students to engage in research and other hands-on learning experiences to expand their skills beyond the classroom.

After completing the program, students may choose to continue on to Master's study, or they can immediately enter the workforce.

#### **Admission details**

#### **Programme webpage**

#### **COORDINATOR**

Augustin MADALAN

[augustin.madalan@chimie.unibuc.ro](mailto:augustin.madalan@chimie.unibuc.ro)

Faculty of Chemistry

## 5.4. Environment

### 5.4.1. Climate Change Solutions

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

The course brings up a suite of actions to counteract the causes of human-affected (anthropogenic) climate change.

**COORDINATOR**

Örjan GUSTAFSSON

The driving forces and possibilities to mitigate climate-affecting emissions through political steering, technical solutions, socio-economic changes, and in other areas will be discussed.

The learning activities include web-based lectures and exercises as well as campus-based seminars. This is thus a hybrid course where active learning through student-led activities in a “flipped classroom” format is a key ingredient. Participation in seminars is not compulsory.

The course Climate Change Solutions is scheduled to be on half-speed (7.5 hp over two periods) to facilitate taking this course in parallel with another course.

**Programme Webpage**

## 5.5. Geography | Earth / Natural Sciences

### 5.5.1. GIS and Spatial Analysis I

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

The course provides basic knowledge of geographical information analysis and cartography as well as the ability to work with various digital methods to capture data and create maps and do analyses in geographical information systems (GIS).

**COORDINATOR:**

Ulf JANSSON

Instruction is conducted in the form of introduction, lectures, exercises, seminars, and project work.

Course is available both in English (part-time) and in Swedish (full-time).

**Programme webpage**

## 5.5.2. Introduction to Astronomy

**UNIVERSITY:** STOCKHOLM UNIVERSITY

### **DESCRIPTION:**

The course consists of an introduction to modern astronomy with an emphasis on physical understanding.

The course will first give a broad overview of the properties and constituents of the universe and thereafter describe how to observationally obtain knowledge about the universe and its evolution.

Instruction is given in the form of lectures and seminars. Participation in both lectures and seminars is mandatory.

**Programme webpage**

**COORDINATOR:**

Magnus AXELSSON

## 5.5.3. Paleoclimatology and the ocean system

**UNIVERSITY:** STOCKHOLM UNIVERSITY

### **DESCRIPTION:**

This course is concerned with how past climate and ocean conditions are reconstructed from marine geological archives.

The education consists of lectures and exercises, the possibility to include seminars and fieldwork.

**Programme webpage**

**COORDINATOR:**

Sarah GREENWOOD

## 5.5.4. Tellus I - Physical Geography

**UNIVERSITY:** STOCKHOLM UNIVERSITY

### **DESCRIPTION:**

The course deals with hydrology, mass movements, rivers and flooding, oceans, coast lines, groundwater, the atmosphere and climate, arid regions, geomorphology, Quaternary geology, and global changes.

The course is given only as a distance learning course, and the teaching consists of web-based teaching and independent project work. IT-distance via learning platform for distance courses Moodle.

**Programme webpage**

**COORDINATOR:**

Lena ÅKERBLOM

## 5.6. Physics

### 5.6.1. Atomic and Molecular Physics

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

This is an introductory course in atomic and molecular physics. This course introduces the quantum mechanical description of single and multi-electron atoms. The education consists of lectures where theory reviews are combined with problem-solving in groups.

The problems studied in the course have an open character. Students undertake obligatory laboratory work, and these are reported orally.

**Programme webpage**

**COORDINATOR:**

Åsa LARSON

### 5.6.2. Physics

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

**DESCRIPTION:**

The Physics bachelor program involves training and developing students' skills in the direction of the knowledge and application of the principles of Physics in different areas of major interest for society, such as: nuclear technologies, advanced materials, communications, and information technology, environmental protection, and so on.

Graduates have various options for developing a career in the above-mentioned fields, or they can continue the specialized training within a master's program and subsequently a doctorate in order to build a career in the research and developing field or teaching.

Duration: 3-year full-time program / 6 semesters (180 ECTS) of 14 weeks each. The last semester is divided as follows:

- 10 weeks for didactic activity and 4 weeks of research activity related to the completion of the dissertation thesis.
- In the fourth semester (at the end of the second year), there is a four-week internship within the research institutes /economic agents with which practice conventions have been concluded.

The candidates are admitted based on the average between the general marked obtained by the candidates in the baccalaureate examination and the mark obtained in a written grid type test. Graduation requires a license exam, which includes a written assessment of fundamental knowledge in physics and the public defense of the dissertation thesis.

**COORDINATORS:**

Lucian ION  
Vasile BERCU  
Faculty of Physics

All courses have face to face lectures and practical activities with numerical/ programming or hands-on experimental laboratories (for experimental courses) or tutorials (for theoretical courses). Research activity (traineeship) is carried on in the research groups of the faculty or of the collaborating research institutes.

### Curriculum

### Admission for EU citizens

## 5.7. Mathematics

### 5.7.1. Mathematics III - Foundations of Analysis

UNIVERSITY: STOCKHOLM UNIVERSITY

#### DESCRIPTION:

The course treats real numbers, theorems on continuous functions on compact intervals, derivation, and integration in  $\mathbb{R}^n$ , series of functions, uniform convergence, implicit functions.

The course aims at giving a deeper understanding of the foundations of real analysis. The education consists of lectures and exercises.

COORDINATOR:

Dennis ÖBERG

### Programme webpage



# MASTER'S DEGREE PROGRAMMES

# 1. Humanities

## 1.1. History and Archaeology

### 1.1.1. Greek and Eastern Mediterranean Archaeology: From the Bronze Age Palaces to the Hellenistic Kingdoms

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

**DESCRIPTION:**

A one-year Master's program taught in English aims to provide its students with the systematic knowledge, critical thinking, and communication skills required to assess the archaeological record as professional researchers or specialists.

While ideal for archaeology graduates, this program is also suitable for those with a degree in humanities, classics, and other related subjects, who wish to prepare for doctoral research, to pursue a career in commercial archaeology, the museum sector, or the heritage industry at large.

Graduates with no background knowledge but with strong motivation to acquire an overview of the wider issues that are related to the archaeology of Greece and Eastern Mediterranean archaeology are welcome, too.

The program focuses on the archaeology of Greece, the wider area of the Aegean, Cyprus, and the Eastern Mediterranean, including Mesopotamia. Modules combine an in-depth, systematic account of the evidence, the methodologies, and the current debates on Greek and Eastern Mediterranean Archaeology.

Themes of interest range from the emergence of the Minoan and Mycenaean palaces and the great empires of the eastern Mediterranean, such as the Hittites and the Assyrians, to the formation and decline of the Greek city-state (the polis), the rise of Alexander the Great, the world of the East Mediterranean during the time of his successors, including the perception and importance of Greek and Eastern Mediterranean heritage today.

The program is taught entirely in English

**Website**

**COORDINATOR**

Eleni MANTZOURANI  
[meditarch@arch.uoa.gr](mailto:meditarch@arch.uoa.gr)

School of Philosophy,  
Department of History  
and Archaeology  
University Campus  
Zografou, Athens, GR-  
15784



## 1.1.2. European Master in Classical Cultures

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

### DESCRIPTION:

The European Master in Classical Cultures is an internationally integrated, interdisciplinary programme in Classical Studies, supported by 12 partner universities from 8 European countries.

As an Erasmus Curriculum Development Project, the planning and the implementation of the Master's programme has been subsidized by the European Union since 2006, as it fulfills the criteria for promoting mobility and cooperation in the field of higher education in Europe particularly well.

After the establishment of the Master's programme, further universities will be invited to participate and benefit from its newly developed course structure and organization, thereby extending the circle of universities partaking in the programme.

**Programme webpage**

**Website**

### COORDINATORS

Kostas BURASELIS  
[kburasel@arch.uoa.gr](mailto:kburasel@arch.uoa.gr)  
Department of History  
and Archaeology

Sophia ANEZIRI  
[sanez@arch.uoa.gr](mailto:sanez@arch.uoa.gr)  
School of Philosophy,  
Department of History  
and Archaeology  
University Campus  
Zografou, Athens,  
GR-15784

## 1.1.3. Global History I – Climate, Society, Economy, and Governance in a long-term Perspective

**UNIVERSITY:** STOCKHOLM UNIVERSITY

### DESCRIPTION:

Compulsory seminars

**Course description**

### COORDINATORS

Gabriela BJARNE  
LARSSON

## 1.1.4. Binational Master's Degree in History TübAix

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

### DESCRIPTION:

#### **Experience through tradition**

The Integrated German French History Programme Tübingen/Aix-en-Provence (TübAix) was founded in 1990 and is embedded in the decades of partnership between the two universities and cities.

It is one of the oldest of the German-French University (DFH). Binational and bilingual history with financial support from the DFH,

### COORDINATOR

Ellen WIDDER  
[ellen.widder@uni-tuebingen.de](mailto:ellen.widder@uni-tuebingen.de)



students spend during the Bachelor and/or Master at least one year at the respective partner university.

In this way, they not only acquire sound language skills but also learn the different and complementary scientific approaches and higher education systems of both countries.

### **Integrated studies**

All courses and exams are reciprocally recognized. The students acquire the degrees the Eberhard Karls University Tübingen and the Aix-Marseille Université (Bachelor/Licence or Master).

The TübAix programme is characterized by a tight Franco-German cooperation at the level of students, teachers, and coordinators.

This guarantees an intensive intercultural experience and optimal support during the studies and the foreign phase.

### **Wide range of courses**

Both partner universities offer courses to all epochs (ancient history, Middle Ages, newer history, contemporary history) and various regional priorities (Eastern Europe, USA). It exists, in particular, the option to specialize in colonial history, the Mediterranean region, and sub-Saharan Africa with an additional Diplôme Universitaire d'Études Africaines. Individual focuses can also be set by the minor subject in the Bachelor.

Also, the combination with a Bachelor / Master of Education in preparation for bilingual teaching is possible.

### **Programme webpage**

## **1.1.5. Archaeological Sciences**

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

### **DESCRIPTION:**

M.Sc. in Archaeological Sciences This two-year, in-depth interdisciplinary program provides students with a detailed understanding of the human past, focusing on a combination of disciplines in the natural sciences. Students specialize in one of six subfields and tailor courses and research with top scientists on staff. Students acquire practical and theoretical knowledge using cutting-edge tools and gain experience in the lab and the field.

An early integration in ongoing research projects and the development of scientific skills allows students to undertake projects of their choice, in consultation with their advisors, to investigate current questions in any field of archaeology.

### **Programme Webpage**

Wilhelmstraße 36,  
72074 Tübingen

### **COORDINATOR**

Michael FRANCKEN  
[michael.francken@uni-tuebingen.de](mailto:michael.francken@uni-tuebingen.de)  
+49-7071-2976514  
Rümelinstraße 23,  
72070 Tübingen

## 1.2. Philosophy

### 1.2.1. Logic in Computer Science and Artificial Intelligence

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

The course will introduce some of the most successful areas of applications of logic to computer science and artificial intelligence. The course includes lectures as well as exercises and hands-on experience with some popular implemented tools for automated reasoning, logic programming, and for model checking. It is intended for students in computer science and in philosophy but is also relevant to students in mathematics.

**Programme webpage**

**COORDINATOR**

Valentin GORANKO

### 1.2.2. Analytic Philosophy

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

**DESCRIPTION:**

This is a two-year research master programme aiming to provide students with various useful skills and insights needed to do independent intellectual work in philosophy at the postgraduate level.

Some of our students want to acquire these skills and insights as preparation for a Ph.D. track, some plan to use them in another area of intellectual enterprise, and some are just curious and want to know what postgraduate studies in philosophy are like.

But all of them are invited to participate in a lively research environment in which students are encouraged to interact with some of the best scholars in this field.

Due to its focus on clear thought, cogent argumentation, and elaborated criticism of philosophical accounts, Analytic Philosophy has proven to be an extremely useful instrument in the philosophical, professional training. Our program fosters various valuable skills such as critical articulated thinking, accurate identification of the main tenets of a debate, minute analysis of the issues discussed, elaborated argumentation in favor of a point of view, and the rapid detection of fallacious arguments.

**COORDINATORS**

Constantin  
STOENESCU  
[constantin.stoenescu@filosofie.unibuc.ro](mailto:constantin.stoenescu@filosofie.unibuc.ro)  
Faculty of Philosophy

Gheorghe ȘTEFANOV  
[gheorghe.stefanov@filosofie.unibuc.ro](mailto:gheorghe.stefanov@filosofie.unibuc.ro)  
Faculty of Philosophy

Thus, students who do not wish to pursue an academic career in philosophy may still find many opportunities to apply these skills later in public institutions or companies where clear analytical thinking is a valuable asset.

### Website

## 1.2.3. Cognitive Sciences (Open Mind)

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

### **DESCRIPTION:**

OPEN MIND combines graduate studies and advanced research in a variety of areas of cognitive science. The programme proceeds along two tracks: a teaching track, open to graduate students and involving courses, seminars, and individual work, leading to a Master in Cognitive Science; and a scientific communication track, open to a larger audience of researchers, teachers, students and the general public interested in cognitive science, and consisting of intense and well-focused thematic workshops that explore in depths important topics of wide scientific and pedagogical interest in cognitive science from a relevant variety of disciplines.

OPEN MIND makes a special and sustained effort on both tracks to cover new and important topics that go beyond the traditional core of cognitive science and reach new and exciting domains in comparative, developmental, and evolutionary psychology, cognitive linguistics and pragmatics, social neuroscience, and neuropsychology, cognitive anthropology, animal cognition, and cognitive archaeology, among others.

This open-mindedness should be attractive and instructive for a large spectrum of scholars, students, and other interested participants from a variety of countries and disciplines, with a variety of backgrounds. Both Master classes and workshops will be taught by an international group of experts from the relevant disciplines of cognitive science.

### Website

### **COORDINATORS**

Constantin  
STOENESCU  
[constantin.stoenescu@filosofie.unibuc.ro](mailto:constantin.stoenescu@filosofie.unibuc.ro)  
Faculty of Philosophy

Sorin COSTREIE  
[sorin.costreie@filosofie.unibuc.ro](mailto:sorin.costreie@filosofie.unibuc.ro)  
Faculty of Philosophy

## 1.2.4. Globalization and Cultural Diplomacy

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

### **DESCRIPTION:**

This is an advanced research programme offered by the University of Bucharest, Faculty of Philosophy, in partnership with the Institute for

### **COORDINATORS**

Cultural Diplomacy in Berlin. The programme has a duration of 2 years, with the first 2 semesters taking place in Berlin and the last 2 in Bucharest.

It provides students with a unique design of the curriculum, combining lectures and presentations with case studies and in-depth analysis of contemporary global events.

Students benefit from the expertise of leading scholars and professionals, and courses are complemented by a wide range of events (visits, trainings, conferences) destined to broaden their perspective and refine their understanding of cultural diplomacy.

During the second semester, students undertake a professional development and training programme at the Institute for Cultural Diplomacy. The professional development programme is designed individually with each of the students and is composed of part or all of the following main components: research, development of Cultural Diplomacy Initiative, and participating in and contributing to ICD's projects, activities, and conferences.

By joining this MA, students gain expertise in cultural diplomacy, globalization, and international relations, a deeper understanding of socio-cultural conflicts and conflict resolution, argumentation, and critical thinking skills.

The multicultural experience in two major European cities and the particular structure of the programme allow students to develop high professional and personal development standards.

### Website

Cristian IFTODE

[cristian.iftode@filosofie.unibuc.ro](mailto:cristian.iftode@filosofie.unibuc.ro)

Faculty of Philosophy

Laurențiu GHEORGHE

[laurentiu.gheorghe@filosofie.unibuc.ro](mailto:laurentiu.gheorghe@filosofie.unibuc.ro)

Faculty of Philosophy

## 1.2.5. Philosophy, Politics and Economics (PPE)

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

### **DESCRIPTION:**

The Faculty of Philosophy, in partnership with the Faculty of Business and Administration, is pleased to announce the launch of a new jointly organized MA program in Philosophy, Politics, and Economics, starting October 2017.

It is the first PPE program in Romania and one of the very few in Eastern Europe. Internationally, PPE programs are highly successful at the most prestigious universities due to the unique combination of skills, perspectives, and analytical tools they provide.

The huge numbers of PPE alumni with spectacular careers (to give but one example, in 2015 in Great Britain, both the prime minister and

### **COORDINATORS**

Cristian IFTODE

[cristian.iftode@filosofie.unibuc.ro](mailto:cristian.iftode@filosofie.unibuc.ro)

Faculty of Philosophy

Emanuel SOCACIU

[emanuel.socaciu@filosofie.unibuc.ro](mailto:emanuel.socaciu@filosofie.unibuc.ro)

the opposition leader were former PPE students) are the best evidence for the array of opportunities that PPE programs consistently deliver.

Faculty of Philosophy

By its nature, an MA program in Philosophy, Politics, and Economics is highly interdisciplinary. The course and seminar instructors are highly reputed professors and researchers from the faculties of Philosophy and Business and Administration, as well as invited experts at the top of their profession in constitutional law, political science, or economics.

### Website

## 1.3. Literature and Linguistics / Language Learning

### 1.3.1. Linguistics: Theories and Practices

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

#### **DESCRIPTION:**

The MA Programme “English Language, Linguistics and Translation” focuses on Linguistics and its applications in the English language, as well as the Translation and Interpreting from and to English.

The purpose of the programme is to introduce postgraduate MA students to research in the fields of 1) Linguistics and its Applications; 2) Translation and Interpreting from and to English.

The aims of the programme include the thorough study of linguistic theory and its applications in the fields of linguistic analysis, electronic corpora, digital literacy, and educational linguistics, focusing on the English language. The aims of the programme also include the thorough study of translation theory and research, translation practice (focusing on a wide variety of genres), and interpreting. The programme focuses on modern technological tools for linguistic analysis and research.

The programme awards a Postgraduate Degree [Δίπλωμα Μεταπτυχιακών Σπουδών (ΔΜΣ)], equivalent to M.A. (Master of Arts), in the following specializations:

- M.A. in Linguistics: Theory and Applications
- M.A. in Translation Studies and Interpreting

All our courses in the MA programmes are offered exclusively in English.

### Application guide

### Programme guide

#### **COORDINATOR:**

Elli IFANTIDOU

[ifelly@enl.uoa.gr](mailto:ifelly@enl.uoa.gr)

+30 210 727 7915

Department of English  
Language and  
Literature, School of  
Philosophy  
Panepistimioupoli  
Zografou,  
15784 Athens



## 1.3.2. Literature and Culture

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

### DESCRIPTION:

The MA in “English Studies: Literature and Culture” of the Department of English Language and Literature offers a strong grounding in the fields of Anglophone literature, critical theory, and cultural studies.

Upon completion of the programme, graduates are equipped to pursue careers in education, research institutes, and other fields related to cultural or literary activities. The programme fosters the interdisciplinary critical analysis of Anglophone literature as well as the study of contemporary culture, with a strong emphasis on recent developments in critical, literary, and cultural theory.

The other objective of the programme is the exploration of intercultural approaches and influences in the wider area of Anglophone literature, and specifically through its interaction with Greek literature and culture.

The programme offers the following areas of specialization, one of which is activated every two years:

- 1) The Greek Element in Anglophone Literature
- 2) Anglophone Theatre from the Renaissance to the Present
- 3) Nineteenth- and Twentieth-Century Anglophone Literature and Culture

The offered area of specialization is announced online in the MA programme's call for applications. The programme of studies is updated every two years following faculty assessment, which takes place throughout its duration and at the end of its two-year term.

### Programme guide

### COORDINATOR:

Anna  
DESPOTOPOULOU  
[adespoto@enl.uoa.gr](mailto:adespoto@enl.uoa.gr)  
+30 210 727 791  
Department of English  
Language and  
Literature, School of  
Philosophy  
Panepistimioupoli  
Zografou,  
15784 Athens

## 1.3.3. “Teaching foreign languages in Europe” in collaboration with the University of Angers

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

### DESCRIPTION:

The aim of this Greek-French postgraduate programme is to train educators who teach French as a Foreign language to non-native French speakers. The MA meets the demands of education and modern society. The generalization of migration created a new school population composed of diverse linguistic and cultural backgrounds. The MA focuses on the cultural and linguistic diversity of European school populations and offers theoretical and practical training to

### COORDINATORS:

Marie-Christine  
ANASTASSIADIS  
[mcanast@frl.uoa.gr](mailto:mcanast@frl.uoa.gr)  
Christina PRAGIANNI  
[chprag@frl.uoa.gr](mailto:chprag@frl.uoa.gr)

Greek, French and international students who teach or want to teach French as a foreign language. The MA is articulated in two semesters, the first in Angers and the second in Athens.

### Programme Webpage

+30 210 7277793  
Department of French  
Language and Literature,  
School of Philosophy  
Panepistimioupoli  
Zografou,  
15784 Athens

## 1.3.4. “Greek-French Studies in Literature, Culture and Translation”

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

### **DESCRIPTION:**

“Greek-French Studies in Literature, Culture, and Translation”: The course focuses on Greek-French studies and, in particular, on the study of Literature, Culture, and Translation. The aim of the program is to broaden students' knowledge of important social, cultural, and political issues concerning Greece and France, in combination with literary and translation theory and analysis.

This interdisciplinary program promotes intercultural knowledge and research in diverse facets of Greek-French relations.

Among the objectives of the Master's Degree Program are:

- to cultivate a critical view of the methodological approaches of Literature and Culture and to develop their applications in learning practice;
- to seek systematic study, interpretation, and critical analysis of the phenomena of intercultural relations in Greece and France;
- to study translation in synchrony and diachrony as a cultural mediator;
- to explore the role of texts, originals, and translations, as a means of distributing ideas and communication;
- to develop ways of producing scientific discourse in the fields of Literature, Culture, and Translation;
- to train translators in the field of literature and humanities.

Specializations: Translation | French Culture and Literature

### Programme webpage

### **COORDINATORS:**

Despina PROVATA  
[dprovata@frl.uoa.gr](mailto:dprovata@frl.uoa.gr)

Christina PRAGIANNI  
[chprag@frl.uoa.gr](mailto:chprag@frl.uoa.gr)  
+30 210 7277793  
Department of French  
Language and Literature,  
School of Philosophy  
Panepistimioupoli  
Zografou,  
15784 Athens



### 1.3.5. German Philology: Theory and Applications

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

**DESCRIPTION:**

The aim of the MA program "German Philology: Theory and Applications" is to provide students with academic training and to foster research in the areas of the two specializations of the Postgraduate Studies Program:

- Greek-German relations in literature, culture, and arts
- Interfaces between linguistics and didactics

The MA program is designed:

- to provide students with the requisite theoretical and practical background knowledge to expand their expertise in their respective fields of specialization;
- to improve their teaching skills;
- and to take the first steps towards the production of original research.

The objectives of the MA curriculum are fully tailored to meet the needs of the Greek and the international teaching community (teachers of German as a Foreign Language, PE07 scholars).

In addition, the program pursues the goal of training students in the fields of literature, arts, culture, and linguistics. Participation in the program requires excellent active and passive knowledge of German and good knowledge of Greek.

Both curricula are designed as two-year programs. During each of the first three semesters, students are required to complete three courses, resulting in a total of nine courses. Attendance is obligatory in all courses. In the final semester, students work on their MA-theses, guided by their supervisors, and attend a special seminar (colloquium) specifically addressing topics related to designing, researching, and writing up an MA-thesis.

Completion of the MA program leads to a "Postgraduate Diploma" in the field of "German Literature: Greek-German Relations in Literature, Culture, and Arts" and "Interfaces between linguistics and didactics."

**Website**

**COORDINATOR:**

Katerina KARAKASSI  
[kkarakassi@gs.uoa.gr](mailto:kkarakassi@gs.uoa.gr)  
+30 210 727 7754  
Department of German  
Language and  
Literature, School of  
Philosophy  
Panepistimioupoli  
Zografou,  
15784 Athens

### 1.3.6. Multilingual Communication

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

**DESCRIPTION:**

The Master in Multilingual Communication enables students to acquire and develop knowledge, skills, and know-how that can be successfully

**COORDINATOR:**

implemented in a multilingual and intercultural working environment where communication is key.

The aim of the course is to make students proficient in using the concepts (institutions, culture, society) and practices relevant to international communication (discourse, argumentation, negotiation).

- Advanced study of two or three foreign languages.
- Specializations available in human resources, international relations, and multiculturalism
- Work placement and research paper
- Proficiency in foreign languages and excellent knowledge of the relevant cultures
- Cutting-edge courses in communication, human resources, international relations, and cross-cultural comprehension
- Understanding and managing situations in intercultural and multilingual environments, e.g. in international corporations and institutions.

[communication-multilingue@ulb.ac.be](mailto:communication-multilingue@ulb.ac.be)

Faculty of Letters,  
Translation and  
Communication  
Campus du Solbosch -  
CP 123, Avenue F.D.  
Roosevelt,  
501050 Bruxelles

### **Programme webpage**

## **1.3.7. Advanced Japanese I**

**UNIVERSITY:** STOCKHOLM UNIVERSITY

### **DESCRIPTION:**

The course develops in-depth proficiency in the Japanese language at an advanced level by putting emphasis on oral academic skills. Important information regarding the exam, regulations, and student influence is in Swedish.

**COORDINATOR:**

Hanna KRITZ

### **Programme webpage**

## **1.3.8. English for Academic Research**

**UNIVERSITY:** STOCKHOLM UNIVERSITY

### **DESCRIPTION:**

The aim of this course is to improve the productive (speaking and writing) skills of students for academic purposes with particular reference to participating in seminars and writing a Master's thesis in English.

Seminars and written tasks to be discussed in groups.

**COORDINATOR:**

Peter SUNDKVIST

### **Programme webpage**

### 1.3.9. Statistics for Linguists

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

The course deals with statistical methods and tools used within the area of Language Sciences.

The properties, usability, advantages, and disadvantages of the different statistical methods are discussed.

The teaching consists of lectures, group exercises, and laboratory lessons.

**COORDINATOR:**

Eva LINDSTRÖM

**Programme webpage**

### 1.3.10. Italian Linguistics

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

The course offers a deep immersion in the structure and grammar of modern Italian, both from a descriptive and a theoretical perspective.

The course is offered in certain semesters as individual study. During other semesters, the course is offered with tuition in the form of a seminar series.

**COORDINATOR:**

Anna-Cathrine  
LAURELL

**Programme webpage**

### 1.3.11. Academic Spanish

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

The course offers tools to analyze and produce academic texts in Spanish. Seminars and individual coaching; the learning platform Athena is used extensively.

**COORDINATOR:**

Gunnel NÄSMAN

**Programme webpage**

### 1.3.12. Romance Languages' Development from Latin

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

The course addresses the Romance Languages' development from the Latin. Special emphasis is placed on language typology. The course covers both phonology, morphology, and syntax as vocabulary.

The course is offered in certain semesters as individual study. The student has the opportunity to meet with the examiner on at least one occasion and will have email contact.

During other semesters, the course is offered with tuition in the form of a seminar series.

**COORDINATOR:**

Eva ANDERSSON

[Programme webpage](#)

### 1.3.13. Language Situation and Language Policy in the Baltic Countries

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

The course consists of a review of the language situation and the language policies in the Baltic countries. It consists of lectures and seminars.

**COORDINATOR:**

Lilita ZALKALNS

[Programme webpage](#)

### 1.3.14. Methods in Research on Bilingualism – an Overview

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

The course provides advanced knowledge of the main research questions, methods, and results in bilingualism research. Consists of a part-time course, lectures, and seminars.

**COORDINATOR:**

Britt ARVIDSSON

[Programme webpage](#)

### 1.3.15. Master of Arts: Literary and Cultural Studies in Great Britain and Anglophone Countries

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

**DESCRIPTION:**

*1 year 60 ECTS*

The objective of this Master is to deepen the knowledge of British literature and culture and English-speaking countries in order to train researchers and professionals in this field.

Any query on the procedure for admission to this Master's degree should be addressed to [posgrado.oficial@uam.es](mailto:posgrado.oficial@uam.es)

(tfnos. +(34) 914972645, +(34) 914975737).

**Programme webpage**

**COORDINATOR:**

Eulalia PIÑERO GIL  
[informacion.master.-  
estudiosbritanicos@ua  
m.es](mailto:informacion.master.-estudiosbritanicos@uam.es)

### 1.3.16. Master of Arts: English Applied Linguistics

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

**DESCRIPTION:**

The Master has two main lines of specialization in Applied Linguistics, designed with two different, but related, profiles in mind: students with a general interest in language in society, and those who would like to know more about the teaching and learning of foreign languages: Linguistics Applied to Discourse and Communication in English aims to train researchers and professionals to explain linguistic processes and read critically, as well as to design and write a wide variety of linguistic products.

Linguistics Applied to the Teaching and Learning of Foreign Languages in bilingual and non-bilingual contexts is designed to train specialists in the acquisition of foreign languages both for English as a Foreign Language and for content subjects.

*1 year 60 ECTS*

Any query on the procedure for admission to this Master's degree should be addressed to [posgrado.oficial@uam.es](mailto:posgrado.oficial@uam.es)

(tfnos. +(34) 914972645, +(34) 914975737)

**Programme webpage**

**COORDINATORS**

Michael O'DONNELL  
Margarita Gloria  
VINAGRE  
LARANJEIRA  
[informacion.master.-  
linguisticaingles@uam.  
es](mailto:informacion.master.-linguisticaingles@uam.es)  
91-4974426  
Secretaría del  
Departamento de  
Filología Inglesa

## 1.3.17. English Linguistics

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

### **DESCRIPTION:**

The M.A. program in English Linguistics provides a full understanding of current linguistics and thorough training in the empirical methods used in linguistic research. The combination of empirical research with theoretical modeling is an internationally renowned hallmark of linguistics in Tübingen. There is a long tradition of Linguistics in Tübingen, but there are more linguists now working on a wider variety of aspects of linguistics than ever before. In part, this is due to the exceptional success of Tübingen linguists in attracting research funding over the last 20 years.

The course structure of the M.A. program English Linguistics reflects this depth and interdisciplinarity. In addition to core areas of phonetics, morphology, syntax, and semantics, the program offers specializations in second language acquisition, information structure, language processing, experimental syntax, formal semantics, psycholinguistics, and historical linguistics. While there is an emphasis on the description and processing of the English language, perspectives are always enriched by cross-linguistic comparison and interdisciplinary approaches ranging from experimentation to literary studies. For this reason, students can combine courses offered in English Linguistics with selected M.A. courses offered by the other Linguistics departments.

An important aspect of the M.A. program is the degree of choice in independent studies. From the very beginning, students are encouraged to design and conduct their own research projects. Supervised by staff, they can contribute to the ongoing research of the English department, and joint publications with staff are often the result. The acquired empirical skills provide students with excellent qualifications for further study in Linguistics at the doctoral level.

In recent international and national ratings, Linguistics in Tübingen fared very well. For example, in the QS World University Ranking, Linguistics is in the worlds' top 100.

**Programme webpage**

### **COORDINATOR:**

Secretary's Office  
[anglistik@es.unituebingen.de](mailto:anglistik@es.unituebingen.de)  
+49-7071-2978454

## 1.3.18. English Literature and Cultures

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

### DESCRIPTION:

This area of study delves into the rich tradition of English literature in Great Britain, as well as the newer literatures that have emerged in English across the globe.

Of particular interest is the role literature has played across a range of cultural contexts throughout history, both in terms of its functions and achievements.

Literature is therefore viewed as an integral part of the culture of the modern era, in the widest sense of the phrase – encompassing cultural developments from the Middle Ages to the ‘postmodern’ era.

More recent developments in the field, built on the concept of ‘literary studies as a form of media studies and cultural studies, ‘form the basis for exploring the relationship between literary texts and other types of text and media, thus creating a productive link between literary and cultural studies.

The ability to critically analyze and reflect on texts of any kind constitutes the core principle underlying teaching and learning in this area.

**Programme webpage**

### COORDINATOR:

Secretary's Office  
[anglistik@es.uni-tuebingen.de](mailto:anglistik@es.uni-tuebingen.de)

+49-7071-2978454

## 1.3.19. Computational Linguistics

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

### DESCRIPTION:

The M.A. Computerlinguistik / Computational Linguistics is an international, English-language degree program with a strong research focus.

It allows students to obtain long-term skills aimed at obtaining and increasing knowledge in a systematic and critical way and justifying a general scientifically based occupational qualification for students in the field of Computational Linguistics.

The Computational Linguistics program teaches subject skills in close cooperation with theory and practice in an interdisciplinary context of Linguistics, Psychology, and Informatics.

**Programme webpage**

### COORDINATOR:

Björn RUDZEWITZ  
[iscl-ma-advisor@sfs.uni-tuebingen.de](mailto:iscl-ma-advisor@sfs.uni-tuebingen.de)

+49-7071-29 73962



## 1.3.20. Translation of the Contemporary Literary Text (MTTLC)

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

### DESCRIPTION:

The MA programme for the Translation of the Contemporary Literary Text (MTTLC) works with the English and the Romanian languages. It focuses on training students for the translation of cultural texts (to be published by publishing houses, reviews, and magazines, and also by the media), subtitling and dubbing, publicity, editing, teaching English in high school, occasional interpreting on cultural topics, cultural management of projects. It continues the BA level by means of courses in contemporary literature and language, which also lead to further doctoral studies in the field. The Programme has its own eZine and publishing house (<http://mttlc.ro>).

Teachers are first and foremost concerned with a good knowledge of English, of styles, and a large cultural vocabulary. A few of the subjects taught are contemporary literature, cultural translation, English usage, editing, subtitling, dubbing, literary texts versus film-scripts. Since it is a programme of translation-teaching both from and into English, MTTLC employs one or more native English-speaking teachers. It also has an ongoing international project of translating literature, organized in common with British writers and literary agents.

Unlike other MA Programmes, internships are accepted only at the publishing house of the programme, Contemporary Literature Press, <http://editura.mttlc.ro/>. CLP provides students with internships in translation, text-confrontation, editing, proof-reading, typing, administration, and PR of a publishing house.

### COORDINATOR:

Lidia VIANU  
[lidiavianu@yahoo.com](mailto:lidiavianu@yahoo.com)  
+40745-131713

## 1.3.21. Specialized Translations and Terminology

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

### DESCRIPTION:

The MA programme in Specialized Translations and Terminology is organized in compliance with all European requirements. The curriculum of the programme covers a two-year cycle of study (120 ECTS in 4 semesters plus 30 ECTS for the graduation exam). The students are expected to take two of the foreign languages participating in the programme: English, French, German and Spanish. The entrance exam to the MA programme includes a four-hour written test including translations from/into both foreign

### COORDINATOR:

Roxana-Cristina  
PETCU  
[roxana.cristinapetcu@gmail.com](mailto:roxana.cristinapetcu@gmail.com)  
[petcu.roxana@clicknet.ro](mailto:petcu.roxana@clicknet.ro)



languages into/from Romanian and a multiple-choice type of exercise covering basic knowledge of the European institutions.

The MA Programme in Specialized Translations and Terminology trains translators to be able to approach and work with a text drafted in a foreign language pertaining to one of his or her specialized areas so as to correctly construe its meaning and thus find the most appropriate variant to accurately render the message of the source text into the target language. The programme provides the students with all the necessary instruments for compiling bilingual glossaries covering many areas of specialization. Such glossaries aim both at specialized translators and the public interested in acquiring more detailed knowledge of specific specialized languages.

The curriculum covers a wide range of courses so as to provide the students with the theoretical and practical knowledge that will help them become real professionals. The courses include Text Typology, Discourse Analysis, Translation Theory, various modules of specialized translations focussing on major areas of interest in today's world (Business, Law, Medicine; Technology and Science; the Media), European Law and European Institutions, Specialized Terminologies; Cultural Studies covering the most significant trends and developments in Europe and the USA, Geopolitical Studies, Romanian History, Romanian Stylistics.

The graduates of this MA Programme can participate in the open competitions organized by the European Commission (via EPSO, the European Personnel Selection Office) to successfully occupy a position as translator (language administrator) for the European institutions.

Moreover, they can be employed by any international employer or pursue successful national careers with institutional employers or corporate ones (multinationals active in Romania, publishing houses, government agencies, NGOs, municipalities, law enforcement agencies, police, Prosecutor's Offices, courts, translation companies). They can also become freelance translators or build their own company. The teaching staff includes academics who are also experts and qualified translators with wide hands-on experience both in the translation work and in the education and training of young translators.

While focusing mainly on the foreign languages included in the programme, the teaching staff also stresses the importance of the mother tongue and the need to achieve excellence in its handling, as most of a translator's work for a European or an international organization consists of translations into the mother tongue.

The programme is monitored and supported by the European Commission via its DG Translation, as it is included in the assistance program called Visiting Translator/Terminologist Scheme.

## 1.3.22. English Linguistics

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

### **DESCRIPTION:**

This MA programme is structured into three modules:

- 1) Discourse and Argumentation — which focuses on the textual and rhetorical components of discourse in English and on the study of texts from an argumentative perspective.
- 2) The linguistics of English. Methods and applications — A description is offered of the phonological, syntactic, and semantic issues which are particular to the English language within a modern explanatory framework. An important psycholinguistic component is also included, focusing on research in the field of first and second language acquisition.
- 3) The Teaching of English. Fundamentals and current strategies—presenting the fundamentals of foreign language teaching, functional grammar, as well as modern strategies in the teaching of English.

The subject matter consists of the following:

- 1) Workshops: Language enhancement, through advanced workshops on English in use (a wide range of activities, including translations);
- 2) The Discourse and Argumentation module: Language and culture; text typology; discourse analysis; linguistic representations in mass media; pragmatics; sociolinguistics.
- 3) The Linguistic Description of English module: the syntax of English and comparative syntax; the structure of the lexicon; lexical semantics; the history of the English vocabulary; the theory of linguistic changes; varieties of English; phonology.
- 4) Language acquisition: the acquisition of English as the first language; the acquisition of English as a second language.
- 5) The Teaching of English module: learning a foreign language; methods and directions in teaching a foreign language; functional grammar and teaching programmes.
- 6) The Computational Linguistics module: Methods in natural language processing on the computer: corpus linguistics, statistical methods, glossaries, online dictionaries

The courses are taught in English by members of the Faculty of Foreign Languages and Literatures (Department of English) and members of the Faculty of Mathematics and Informatics. During the programme students can benefit from an Erasmus grant in universities in Italy (Venice, Pisa), Spain (Barcelona), and Cyprus (Nicosia).

### **COORDINATOR:**

Larisa AVRAM  
[larisa.avram@gmail.com](mailto:larisa.avram@gmail.com)  
Alexandra

CORNILESCU  
[alexandracornilescu@yahoo.com](mailto:alexandracornilescu@yahoo.com)

Graduates of this master programme are well-prepared for a variety of positions in a wide range of fields:

- academic teaching and research
- interdisciplinary research work in the fields of artificial intelligence, clinical linguistics, forensic linguistics, etc.
- pre-university education, at any level
- public administration, NGOs, governmental institutions, information services
- positions in mass-media, public relations, and advertising
- communication and translation expert in companies
- event organizer (conferences, symposiums, congresses, business conference)
- lexicographers, glossary writers
- consultant linguist in the judicial, economic, medical field, etc.

Graduates may also opt for a doctoral program in Romanian or abroad. Graduates of the Faculty of Foreign Languages and of the Faculty of Letters who have a good knowledge of English may apply.

### 1.3.23. Conference Interpreting Training (EMCIT)

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

#### **DESCRIPTION:**

The European MA programme in Conference Interpreting Training (EMCIT) of the University of Bucharest provides a two-year conference interpreting curriculum for those students who have previously been admitted, on the basis of an aptitude test (written and oral exam checking the candidate's proficiency of the two foreign languages involved in the training and psycho-linguistic skills of verbal communication). The training programme curriculum includes specialization subjects and socio-professional practical drills meant to train students into acquiring better skills in communication and linguistic excellence into Romanian when interpreting from one of the four foreign languages (English, French, German or Spanish). The EMCIT graduates have multiple job opportunities as community or conference interpreters on the local Romanian work market, or they are equally eligible to further submitting to the EPSO tests and competitions for employment as conference interpreters with the EU institutions.

Here are a few of the specializing subjects of the curriculum: Language and conceptualization in Interpreting, Language enhancement (B and C languages), Stylistic features of the Romanian language, Introductory course in European Law, Romania's contemporary modern history, Rhetoric and argumentation – theory and practice, Consecutive Interpretation (with notes), Simultaneous

#### **COORDINATOR**

Daniela IONESCU  
[daniones@gmail.com](mailto:daniones@gmail.com)  
[daniela.ionescu@lils.uni-buc.ro](mailto:daniela.ionescu@lils.uni-buc.ro)  
 +40-727709973  
 +40-213-148965

Interpretation, Community interpreting skills and practice (in hospitals, Police headquarters, Local Council Office, Law Court, etc.) and European Cultural Studies.

The EMCIT has been constantly supported by DG Interpretation/SCIC of the European Commission, and an annual pedagogical assistance of one week/semester is provided for students' practice and training in consecutive and simultaneous interpretation. Experts and professional interpreters conduct these week-based seminars on account of their long-acquired professional expertise. Additionally, the best students are selected and granted short-term scholarships so as to enable them to travel and visit the European institutions in Brussels and Strasbourg.

The admission exam includes (1) a 4-hour written test paper (translation and retroversion from and into the B and C language, respectively, and a questionnaire comprising 15 different multiple-choice questions focused on the European institutions) and (2) an oral test focused on the mnemonic, self-control and logic of speaking, knowledge and high level of proficiency of the first and second foreign language skills in accommodating form and meaning in oral expression. The oral test includes: (a) a three-minute speech in the B foreign language, to be rendered into Romanian, (b) a speech in Romanian to be rendered by retour into the candidate's B language, and (c) a speech delivered in the C language, to be rendered into Romanian. As mentioned above, we provide training from four EU languages: English, French, German, and Spanish into Romanian, and training into retour from Romanian into one of these languages. In terms of departmental facilities, the EMCIT programme is benefiting from simultaneous interpretation equipment (6 booths) within the precincts of the university. The teaching staff is formed of trained teachers and EU accredited freelance interpreters who train and teach the specializing subjects.

### 1.3.24. Études françaises et francophones

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

#### **DESCRIPTION:**

Organisé par le Département de Langue et Littérature Françaises, le master propose un approfondissement de l'étude des cultures française et francophones, en offrant de nouvelles grilles d'analyse et d'interprétation. En appliquant les perspectives de l'anthropologie culturelle, il se consacre à l'étude des représentations, des pratiques, des croyances et de l'imaginaire, situés dans leur contexte historique. Les approches interculturelles mettent l'accent sur les différences entre les diverses époques de la culture française ou bien entre celle-

#### **COORDINATOR**

Dolores TOMA  
[masterlfa@gmail.com](mailto:masterlfa@gmail.com)  
+4021.314.35.08 / 101

ci et la culture roumaine. Leur contrastivité est le mieux mise en évidence par les œuvres des écrivains roumains francophones du XIXe et du XXe siècles.

Toutes ces notions sont mises à la portée des étudiants par des exemples concrets, choisis dans le but de susciter un plaisir du texte et de son interprétation. Ce volet pratique est complété par la place spéciale accordée à la traduction dans le programme de chaque semestre des deux années. En rapprochant notre programme de celui d'un master de langue étrangère appliquée, nous voulons donner à nos étudiants des compétences élargies, recherchées sur le marché du travail et nécessaires à toute spécialisation ultérieure.

Le programme réussit à donner les connaissances indispensables à tous ceux qui désirent occuper un poste dans une multinationale, dans l'enseignement ou devenir traducteurs.

Programme du master:

- 1) Approches interculturelles: Anthropologie culturelle; représentations du corps; éléments d'anthropologie de l'espace du Moyen Age jusqu'au XXe siècle; représentations de l'autre; écrivains francophones d'origine roumaine; francophonie roumaine au XXe siècle.
- 2) Littérature et contexte: Fondements des relations littérature-culture; l'imaginaire de la pré-modernité; l'histoire de l'auteur; thèmes culturels dans le discours littéraire; littérature et image.
- 3) Interprétation du texte littéraire: La problématique de la subjectivité dans le roman français contemporain; Fondements anthropologiques de la poésie et du théâtre chez des auteurs français du XXe siècle; méthodes d'analyse du texte littéraire; analyse de texte.
- 4) Théorie et pratique de la traduction. Traduction et interculturalité: texte et contexte; traductions littéraires.

Cours optionnels: Théories de la représentation, Analyse du discours, L'idéal moral dans la littérature française, Dramaturgie et art de l'acteur.

### 1.3.25. Hispanic Studies (MSH)

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

**DESCRIPTION:**

Organized by the Hispanic team within the Department of Romance Linguistics, Ibero-Romance Languages and Literatures from the Faculty of Foreign Languages and Literatures of the University of Bucharest starting with the academic year 2017-2018, the Master of Hispanic Studies (MSH) has as main beneficiaries the graduates of the first cycle of university studies (Bachelor's Degree) in which

**COORDINATORS**

Mianda CIOBA  
[mianda.cioba@lils.unibuc.ro](mailto:mianda.cioba@lils.unibuc.ro)

Spanish language skills (Language and Literature, Translation, Modern Applied Languages, Political Science, International Relations, Communication, Administrative Sciences, etc.) are trained, and other Bachelor's degree graduates, knowing the Spanish language at an intermediate-advanced level.

By its conception (Spanish being the only language of teaching, study, and assessment), this Master's program is addressed to any graduates of the first cycle coming from the European university system who meet the conditions of linguistic competence mentioned. The program is structured around several disciplinary nuclei, offering in-depth training in the following fields: history of culture, literature and cultural anthropology (Spanish cultural identity, linguistic variation, sociolinguistics), applied cultural studies (management of cultural programs and editorial marketing, critical editing text, etc.), translation studies, Spanish linguistics and the practice of translation and interpretation, with application to the fields of conference interpretation, subtitling, and dubbing of audio-visual material (film, television productions, materials for the virtual environment).

Academic activities (courses, seminars, workshops, applied activities, conferences, and debates) will be proposed by teachers from the University of Bucharest, visiting professors from foreign universities (University of Salamanca, University of Alicante, University of Santiago, Rey University Juan Carlos of Madrid), with considerable experience and international projection, together with professionals in the activities and trades for which they are trained.

MSH meets the needs of Romanian and foreign graduates, who want to increase their opportunities on the labor market and who are interested in the following career options: translator and interpreter, communication manager, cultural programs manager, editor, editorial specialist in editorial management and in book marketing, linguist, terminologist, philologist, teacher of Spanish language and literature.

Melania STANCU

[melania.stancu@lils.unibuc.ro](mailto:melania.stancu@lils.unibuc.ro)

Secretariat of the  
Department

[cristinamagdalenamitran@yahoo.com](mailto:cristinamagdalenamitran@yahoo.com)

## 1.3.26. Oriental Languages and Cultures

**UNIVERSITY:** SAPIENZA UNIVERSITY OF ROME

**DESCRIPTION:**

Oriental Languages and Cultures; MA; Arabic, Chinese, Korean, Japanese, Hindi, Persian.

The Master's Degree course in Oriental Languages and Cultures requires graduates, who must already be able to use a language of the European Union in written and oral form, acquire the mastery of at

**COORDINATOR:**

Prof. Ciro LOMUZIO

[ciro.lomuzio@uniroma1.it](mailto:ciro.lomuzio@uniroma1.it)



least one Oriental language aimed at oral and written communication, which will be accompanied by the knowledge of the relative literary history both ancient and modern. This knowledge will be integrated by the detailed study of all the possible articulations, ideological, religious, philosophical, aesthetic, analyzed in their historical development, typical of the culture and civilization relating to the chosen oriental language, with the possibility of expanding knowledge in the relative antiquities to the areas of competence of the course of study.

### Course Catalog

### Website

## 1.3.27. Linguistics

**UNIVERSITY:** SAPIENZA UNIVERSITY OF ROME

### **DESCRIPTION:**

Linguistics; MA; Russian, Spanish, French, German, Finnish-Hungarian, Italian

The Master's Degree Course in Linguistics aims to offer students very broad skills in the study of the many aspects of language and languages.

Therefore, the student, who will be guided along a path of progressive refinement of knowledge, will be provided with all the elements necessary for understanding at a specialized level of the various aspects relating to the linguistic phenomenon through direct access to bibliographic sources: to adapt the understanding of the facts acquired to the realization of research capable of bringing an increase in knowledge in the various sectors of linguistics. The acquisition of independent judgment in the reconstruction of undocumented or pre-documentary linguistic phases will be particularly stimulated; in the reconstruction of the integrity or authenticity of a late-ancient, medieval or modern text; in the evaluation of the causes underlying specific linguistic manifestations, normal or pathological; in the evaluation of the concrete effects of linguistic phenomena on the socio-historical side, and especially in the field of linguistic policies. Finally, we will work on perfecting the student's communication skills, functional to the adequate expression and dissemination of scientific contents.

### Website

### **DIDACTIC SECRETARYSHIP:**

Anna Maria ABBATE  
[annamaria.abbate@uniroma1.it](mailto:annamaria.abbate@uniroma1.it)

### **COORDINATOR:**

Prof. Paolo DI GIOVINE  
[paolo.digiovine@uniroma1.it](mailto:paolo.digiovine@uniroma1.it)

### **DIDACTIC REFERENT:**

Silvia SONEGO  
[silvia.sonego@uniroma1.it](mailto:silvia.sonego@uniroma1.it)

## 1.3.28. Languages, Linguistics, Foreign cultures and Literatures

**UNIVERSITY:** SAPIENZA UNIVERSITY OF ROME

### DESCRIPTION:

Linguistic, literary and translation sciences; MA;  
French, Portuguese, Brazilian, Polish, Ukrainian, Hindi, English, Romanian, Czech, Hungarian, Modern Greek, Albanian, Hebrew, Nordic languages.

The Course of Studies aims at the improvement in a linguistic-literary and cultural area of the European Continent and the Americas, accompanied by the written and oral mastery of a first language and the good knowledge and consolidation of a second, with a view to specialization in which, with appropriate orientation, students can start courses in three qualifying areas: philological-hermeneutic, literary, metalinguistic and intercultural research; literary and/or sectoral translation; didactics. In any case, the aim is to achieve high theoretical and practical skills relating to the language, literature, artistic-cultural history, specific teaching of the languages, literature, and cultures studied. The course is complemented by: knowledge of the history of Europe, from the modern era to the contemporary era, and of the Americas; methodology of literary analysis and interpretation of the text; historical, artistic, and cultural contextualization of literary works; knowledge of the history of art of European and/or American civilizations; ability to connect between linguistic-literary and philosophical culture.

### Website

### COORDINATOR:

Prof. Riccardo  
CAPOFERRO  
[Riccardo.capoferro@uniroma1.it](mailto:Riccardo.capoferro@uniroma1.it)

### EXECUTIVE DIRECTOR OF DIDACTIC ACTIVITIES:

Gabriele GUERRA  
[gabriele.guerra@uniroma1.it](mailto:gabriele.guerra@uniroma1.it)

## 1.3.29. English and Anglo-American Studies

**UNIVERSITY:** SAPIENZA UNIVERSITY OF ROME

### DESCRIPTION:

English and Anglo-American Studies; MA; English, American.

The English and Anglo-American Studies course is aimed at students who have a high knowledge of English. The course, in a single curriculum, is structured in a first year in which students complete their language

learning, and the literature of specific areas is also studied with an interdisciplinary approach. This happens through two compulsory courses. Optional groups / compulsory courses complete the first

### COORDINATOR:

Prof. Mario Costantino  
MARTINO  
[mario.martino@uniroma1.it](mailto:mario.martino@uniroma1.it)



year, with at least one course of Italian and philology; with at least one metalinguistic type of teaching (linguistics or philosophy of language), and with teachings that are already leading to distinct specialist paths: language and its history, or literature, in its English and American intertwining. A language teaching module allows the continuation of a path aimed at teaching.

In the second year, the student has linguistic or critical-literary and historical modules available. As for the literature, the choices can be oriented towards the English or the American side. On the linguistic side, specialization modules of the translation type are offered, with courses also dedicated to sectoral and technical languages, and specifically for audiovisual media.

### Website

## 1.4. Cultural Studies

### 1.4.1. Latin American and Iberian Studies

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

#### **DESCRIPTION:**

The M.A. program “Latin American and Iberian Studies” is committed to provide specialized knowledge in a broad spectrum of fields in Iberian and Latin American social, cultural, translation, linguistic, and literary studies. It is ideal for students seeking a rigorous academic program and an opportunity to develop professional skills for the workplace.

The two years’ program is organized into two specialization tracks: Latin American and Spanish Studies and Spanish Translation and Linguistics.

In the Latin American and Spanish Studies specialization track, students develop a high interdisciplinary understanding of the Iberian, as well as of South and Central American regions, through exposure to relevant key issues of contemporary Latin America and Spain, such as history, culture, economy, sociology, literature.

In the Spanish Translation and Linguistics specialization track, the Program prepares students to be expert translators from and into Spanish across a wide domain of professional fields.

Students learn to use the latest translation technology.

#### **COORDINATOR:**

Viktoria KRITIKOU

[vkritikou@spanll.uoa.gr](mailto:vkritikou@spanll.uoa.gr)

+30 210 7277815

Department of Hispanic  
Language and  
Literature,  
School of Philosophy  
Panepistimioupoli  
Zografou,  
15784 Athens

At the same time, the Program provides training in Hispanic Linguistics and Second Language Acquisition, offering rigorous interdisciplinary training for the study and teaching of Spanish as a second language.

All courses of the M.A. program are taught in Spanish. Knowledge of the English language is also required. 35% of the courses may be taught online

### Website

## 1.4.2. Greek-Italian Studies: History, Literature, Classical Tradition

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

### **DESCRIPTION:**

The aim of the Postgraduate Program is to provide specialized academic instruction and to encourage scientific research in the fields of Greek-Italian Studies: History, Literature, and Classical Tradition. Successful completion of the program's requirements leads to a Master of Arts degree (M.A.) in "Greek-Italian Studies: History, Literature, and Classical Tradition."

Teaching of Latin and Italian Sources. Courses can also be offered in Italian.

### **COORDINATOR**

Gerassimos PAGRATIS  
[gpagrat@isll.uoa.gr](mailto:gpagrat@isll.uoa.gr)  
+30 210 7277494  
Faculty of Italian  
Language and Literature,  
School of Philosophy  
Panepistimioupoli  
Zografou,  
15784 Athens

### Website

## 1.4.3. Gender Perspectives on Art and Visual Culture

**UNIVERSITY:** STOCKHOLM UNIVERSITY

### **DESCRIPTION:**

The course discusses current gender-theory interpretation models in art history and visual culture studies.  
Seminars and excursions.

### **COORDINATOR**

Maarit HÄMÄLÄINEN

### Programme webpage

## 1.4.4. Gender Perspectives on Art and Visual Culture

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

## DESCRIPTION:

EIFA - Intercultural German French Studies / Études Interculturelles Franco-Allemandes German French double diploma 'Master of Arts' of the Eberhard Karls University Tübingen and the Aix-Marseille University.

The Master's programme conveys historically sound knowledge of Franco-German cultural transfer and current developments in relations. It is based on intercultural theories that question entrenched patterns of attribution and read them against the grain from a transnational perspective.

One of the special features of the programme is its interdisciplinary and cultural studies dimension at the interface of literature, theatre, art, language, political, media, and empirical cultural studies as well as philosophy, sociology, and history.

### Programme webpage

### More details

## COORDINATOR

Judith OSCHÉ

[judith.osche@verwaltung.uni-tuebingen.de](mailto:judith.osche@verwaltung.uni-tuebingen.de)

+49-7071-2977033

Rümelinstraße 32,  
72070 Tübingen

## 1.4.5. Slavic Studies

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

## DESCRIPTION:

The Slavic Seminar Tübingen offers a Master's degree course in Slavic Studies in which students can choose between three profile areas:

- Slavic literature and cultural studies
- Slavic linguistics
- German-Polish transcultural studies (as a joint degree programme of the universities of Warsaw and Tübingen)

The profile area Slavic Literature and Cultural Studies comprises specialization modules on literary or cultural theory, a free module that can be chosen from other subjects, 2 language courses (advanced courses) in the first language (Russian, Polish or Czech), and 2 language courses in the second language based on the previous level of knowledge, as well as an internship. Our current focus in literary studies includes Russian, Czech, and Polish literature and culture of the 19th and 20th centuries, transcultural East-Central European studies, literary translation, and Polish film.

The profile area Slavic Linguistics comprises specialization modules on a sub-area of grammar, a topic from pragmatics and text linguistics and a diachronic phenomenon, a free module that can be chosen from

## COORDINATORS:

Natalia BORISOVA

Stefan HECK

[studienberatung@slavistik.uni-tuebingen.de](mailto:studienberatung@slavistik.uni-tuebingen.de)

other subjects, 2 language courses (advanced courses) in the first language (Russian, Polish or Czech) and 2 language courses in the second language based on the previous level of knowledge, as well as an internship. In linguistics, pragmatics, and grammar, primarily of Russian, Czech and Polish, are currently being studied.

The profile area German-Polish transcultural studies in Tübingen and Warsaw includes courses in literature, cultural studies, and linguistics; exercises in literary translation, taught by renowned translators from Polish, workshops on creative writing, text editing, and literary criticism complete the academic programme. There is also a compulsory internship in a cultural institution in Germany or Poland. Students acquire transcultural competencies through a compulsory semester abroad at the University of Warsaw and through joint studies with their Polish fellow students. The students receive a diploma from both universities.

### Programme webpage

## 1.4.6. Japanese Studies

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

### **DESCRIPTION:**

Topic-oriented language exercises are offered in advanced modules for general and technical language competence at the upper level, in which language practice and technical language competence are deepened, and intercultural skills are developed. Further topic-oriented seminars and exercises follow in the extension modules. In the second year of study, the advanced modules include seminars and subject-related exercises to specialize in problems of modern or pre-modern Japan.

### Programme webpage

### **COORDINATOR**

Eva-Maria MEYER  
[meyer@japanologie.uni-tuebingen.de](mailto:meyer@japanologie.uni-tuebingen.de)  
+49-7071-2973986

## 1.4.7. Korean Studies

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

### **DESCRIPTION:**

The Master's Degree in Korean Studies/Korean Studies is a consecutive course of study that deals with the history, culture, and society of modern Korea in a regional and global context.

### **COORDINATOR**

Jong-Chol An  
[jong-chol.an@uni-tuebingen.de](mailto:jong-chol.an@uni-tuebingen.de)

As a special feature of the Master's programme Korean Studies/Korean Studies, a second specialization is offered in addition to the Monomaster's programme, in which a double Master's degree can be acquired.

The Korean Studies/Korean Studies Master's program offers a Master's degree with high professional and language competence. Students focus on central themes of the history, society, and culture of modern Korea. Central themes include globalization, colonialism, the Cold War and division, migration, and diaspora, as well as popular culture and literature. The critical examination of the Korean peninsula, its location, and its embedding in a regional and global context opens up diverse perspectives.

Graduates also achieve a high level of Korean language skills at the C1/C2 GER level (TOPIK Level 6). In addition to the accompanying modules on the Korean language of science, each main seminar requires work with Korean literature and/or sources.

The languages of instruction in the Master's programme are, therefore, German, English, and Korean.

In order to deepen their competencies on a professional, linguistic, and cultural level, all Master's students can also study abroad for one or two semesters at one of Tübingen's partner universities in South Korea.

**Double Master MAKES - Master of European Korean Studies**

Students of the Korean Studies/Korean Studies Master's program have the opportunity to apply for the MAKES specialization at the end of the 1st semester. Within the framework of this programme, the second year of study in Korea is spent at Seoul National University, and the Master's thesis is submitted there.

Upon successful completion, graduates receive two Master's degrees - one from the University of Tübingen and one from Seoul National University.

### **Programme webpage**

## **1.4.8. American Studies**

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

### **DESCRIPTION:**

The Master program in American Studies offers comprehensive training in the methods and theories of American Studies and multifaceted knowledge and insights into the literatures, cultures, history, and society of the United States.

+49-7071-29 72724  
Wilhelmstraße 133,  
72074 Tübingen

### **COORDINATOR**

Michael BUTTER  
[michael.butter@uni-tuebingen.de](mailto:michael.butter@uni-tuebingen.de)  
+49-7071-29-77341

The wide variety of courses in the program ranges from those on America's colonial past and early literary culture to those covering contemporary themes in race, class, gender, religious, ethnic, and regional studies in different media.

The program offers students a strong interdisciplinary curriculum, which emphasizes student autonomy as well as academic collaboration and exchange.

### **Programme webpage**

## **1.4.9. Social and Cultural Anthropology**

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

### **DESCRIPTION:**

The M.A. in "Social and Cultural Anthropology" is an international research-oriented two-year study program. It provides in-depth knowledge of the social and cultural variation in the world and teaches students an understanding of the similarities between social systems and human relationships.

Our courses aim to create an understanding of the interrelationships between different aspects of society and therefore cover a wide range of topics such as religion, migration and integration, economic and political organization, health and illness, ritual and performance, violence and memory, patterns of exchange, kinship and solidarity, and socio-cultural diversity.

Students spend their third semester either engaging in a research project or working as an intern in an organization, for example, an NGO, a school, or a museum. The ability to critically analyse and reflect on the dynamics and specificity of societies and cultures in a global context constitutes the core principle underlying this program. Students learn to understand both connections within societies and connections between societies. A detailed study of local life in a particular society or a delineated social environment the methodological entrance to such an in-depth understanding.

### **Programme webpage**

### **COORDINATOR:**

Sabine KLOCKE-  
DAFFA  
[ethnologie@uni-tuebingen.de](mailto:ethnologie@uni-tuebingen.de)  
+49-7071-29 72402  
Burgsteige 11,  
72070 Tübingen

## **1.4.10. Cultures of the Global South**

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

### **DESCRIPTION:**

In this MA degree programme, you will investigate contemporary cultures of the Global South with a focus on social and political dynamics, and from the vantage point of comparative transregional studies. The program is international, interdisciplinary, and intercultural in orientation, with a strong emphasis on research as well as on building bridges between theory and professional practice.

The program deals with thematic complexes such as colonialism and postcolonialism, migration and mobility, trans culturalism, and globalization. Among the disciplines involved in teaching the program are Literary, Cultural, and Media Studies, along with Cultural Anthropology, Education, and other related Social Sciences. Students may specialize via a particular regional focus. In addition to a comprehensive comparative profile, we provide specialization in the following areas: Latin American Studies, African Studies.

### Programme webpage

## 1.4.11. American Studies

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

### **DESCRIPTION:**

American Studies is offered by the English Department as a degree in Cultural Studies, and it consists of the interdisciplinary study of the culture, history, and society of the United States, with a complementary focus on a second foreign language selected by the students. The vast majority of our professors have been trained in the United States, and every year we also benefit from the expertise of Fulbright Scholars or Teaching Assistants from the United States.

Since this is an interdisciplinary program, it provides exciting, interrelated disciplines, such as American literature and civilization, film studies, media studies, visual culture, popular culture, history and politics, Native-American studies, African-American studies, and a lot more!

The program also represents an important opportunity to improve, consolidate or fine-tune English language skills due to the four hours a week of English language practice during the first two years (and two hours a week for the third year).

These classes address vocabulary, grammar, academic writing, and speaking. As with all the other programs from the Faculty of Foreign Languages, students are requested to select a second foreign language, which will follow the syllabus of the Foreign Language Minor for the philology students. There are also opportunities for studying

### **COORDINATOR**

María José PRIETO

[maria-jose.prieto@uni-tuebingen.de](mailto:maria-jose.prieto@uni-tuebingen.de)

Institutes of Romance  
Languages and English  
Wilhelmstrasse 50,  
72074 Tübingen

### **COORDINATOR**

[office@americanstudies.ro](mailto:office@americanstudies.ro)

[www.americanstudies.ro](http://www.americanstudies.ro)

+40213181579/80/81  
7-13, Pitar Mos St.,  
Sector 1, Bucharest



abroad, through an Erasmus scholarship during the first and second year of study (see <http://ils.unibuc.ro/erasmus/>) or through a Fulbright scholarship during the third year of study (see [www.fulbright.ro](http://www.fulbright.ro)).

The American Studies Program has set up the very first American Studies (under)graduate journal of American Studies in Romania, [Inter]sections. This is an open-access online publication available on the home page of [www.americanstudies.ro](http://www.americanstudies.ro). There, our students can publish articles about American film, literature, popular culture, history and politics, sociology and anthropology, visual culture, and many more. Also, every year we organize a student conference together with the Fulbright Commission or the US Embassy.

This event provides a wonderful opportunity for all students to share their work and to engage in lively public debates.

Students who graduated from the American Studies Program are currently employed as teachers, editors, translators, curators, or political analysts, or work in the written and visual press as writers and journalists. A lot of graduates also work for corporations such as HP or Oracle. Also, every year students have a chance to enhance their CVs through internships facilitated by the American studies program and offered by the American Cultural Centre, the Fulbright Commission, newspapers and magazines, radio stations, TV stations, cultural institutes, publishing houses, English language teaching centers, NGOs. Students can leave these temporary workplaces with solid recommendations and work experience.



## 1.4.12. Canadian Studies

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

### **DESCRIPTION:**

The MA programme in Canadian Studies began in 1997, and it runs as a module within the framework of the MA in Intercultural Communication Strategies — A Literary and Linguistic Approach. It provides an interdisciplinary and multidisciplinary study of Canadian culture and society in a comparative perspective with the European culture and society.

The courses focus on multiculturalism, intercultural discourse in literature, and cultural-linguistic overlaps. In addition to media communication courses, the program offers courses in Anglophone and Francophone literature and culture, interethnic relations in Canadian society, Canadian history, the Canadian political system, and language practice and business correspondence in English and French.

The programme meets the requirements and needs of inter- and cross-cultural communication and the labor market.

Graduates are able to occupy positions in various areas of social life involving political, cultural, and economic relations with Canada, in central institutions in the field, international organizations, embassies, non-governmental organizations, cultural foundations, mass media, publishing houses, and advertising agencies.

They may be employed as teachers in secondary education and higher education and research, or they may continue their studies at the Ph.D. level.

The programme benefits from the permanent support of the Canadian Embassy in Bucharest and from the Central European Association for Canadian Studies.

Many students of this MA programme have won study scholarships in Canada. The Romanian teaching staff have specialized in Canada, and the programme benefits from the contribution of Canadian, German, French, and Czech experts.

The four-semester programme is open to all higher education graduates who have a very good knowledge of either English or French and some knowledge at the comprehension level of the other. Students with a non-philological background can obtain language proficiency certificates at level B2 in either English or French, and they are allowed to write the dissertation in Romanian.

### **COORDINATORS:**

Daniela FRUMUȘANI  
[danifrumusani@yahoo.com](mailto:danifrumusani@yahoo.com)

Monica BOTTEZ  
[mbottez@yahoo.com](mailto:mbottez@yahoo.com)

### 1.4.13. British Cultural Studies

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

**DESCRIPTION:**

The British Cultural Studies (BCS) MA programme is hosted by the British Cultural Studies Centre (BCSC) and was founded by the British Council in 1993 under the auspices of the Embassy of the United Kingdom of Great Britain and Northern Ireland. The programme is interdisciplinary and internationally recognized and is taught exclusively in English by Romanian and British specialists.

The programme has two main components, namely, Britishness in various institutions (the English, Irish and Scottish mindset; historical and institutional developments; the national character of the UK; media culture) and individual/collective identity and the public space (the public sphere, political life, visual culture, religious specificity, public relations, international, intercultural relations). The courses cover an extensive area and include Cultural Identity & the History of Ideas; Cultural Anthropology; A Sense of Britishness; Modernity Studies; Media Culture; Celtic Cultural Memory; Postcolonialism & Postcommunism; Identity Construction; Imagology; Area Studies; Cultural Management & Business Development.

Since its foundation, the programme has seen curricular reshuffles and adaptations to meet with societal developments and students' expectations. The relaxing atmosphere of the place, the interactive methods used, and debates 'over a cup of tea' increase the sense of pleasurable enjoyment. Occupational opportunities: diplomacy, cultural management, PR, media, business, British Council, the UK Embassy, education (Cultural Studies is a discipline taught at secondary school level as well). Admission by interview (candidates can be graduates of any higher education profile). Massive encouragement to interdisciplinary approaches to enable BCS graduates to cope with international requirements.

### 1.4.14. American Studies

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

**DESCRIPTION:**

The MA program in American Studies at the University of Bucharest offers an inter- and multi-disciplinary study of US culture and society in a comparative and transnational perspective, emphasizing European/Romanian—US relations in the context of globalization. It is

**COORDINATORS:**

Alexandra BACALU  
[bcsunibuc@gmail.com](mailto:bcsunibuc@gmail.com)  
+4021–318.15.80/114

Mihaela IRIMIA  
[irimia.mihaela@clicknet.ro](mailto:irimia.mihaela@clicknet.ro)  
[mirimia2003@yahoo.com](mailto:mirimia2003@yahoo.com)

**COORDINATOR:**

Conf. univ. dr. Roxana OLTEAN  
[roxana.oltean@upcmail.ro](mailto:roxana.oltean@upcmail.ro)

based on three modules: Culture and Values, History and Politics, Society, and Communication.

The program benefits from the expertise of scholars who have carried out research or specializations in the United States and who are affiliates of a range of Faculties (Foreign Languages and Literatures, The University of Economic Sciences, Political Science). In addition, there is a “Fulbright Seminar,” held by US scholars. Moreover, the program includes a 2–4 week internship in institutions that constitute possible future employers. It also offers the possibility of partial study in US institutions with which the Centre for American Studies has signed or is negotiating agreements, such as Indiana University, Indiana, and Kennesaw State University, Georgia.

The core disciplines that make up the American Studies Master's program at the University of Bucharest include US media and visual culture, history, political science, ethnic and cultural studies, economics. The students enrolled in our classes will gain:

- professional knowledge and interdisciplinary, comparative training in US history, politics, culture, business and economics, arts, film, and humanities, with emphasis on American–European relations.
- professional skills and a cultural background that will enable them to work in education and research, in mass-media, and in areas of social, political, cultural, or economic relations with the US. They will be able to work as teachers, journalists, editors, translators, librarians, as well as in book publishing, the NGO sector, cultural foundations, and diplomatic missions. They will gain the ability to tackle practical tasks within today's globalized, transnational world or to do research and continue their education in a Ph.D. program.

Advantages for students from around the world enrolling in our MA program in American Studies:

- Since this is an interdisciplinary program, our students study a range of dynamic, interrelated disciplines, such as (to name but a few) American film studies, American politics, media studies, visual culture, ethnic studies, memory studies.
- Our students will be well-accustomed to an interdisciplinary approach that meets the needs of future leaders.
- Regular support from and collaboration with the American Cultural Center at the US Embassy and the Fulbright Commission contribute to the status of this program as a leader in the field, providing students with up-to-date academic resources from the States as well as the best internships on the market.

### **Programme website**

### **CONTACT PERSON:**

Lect. univ. dr. Dana  
MIHĂILESCU  
[dana\\_mihaiiles@yahoo.com](mailto:dana_mihaiiles@yahoo.com)  
[office@americanstudies.ro](mailto:office@americanstudies.ro)  
+4021318.15.79/80/81 /  
int. 28 (or ask to be  
connected to Room 4)

## 1.4.15. Culture and the Language of European Organizations

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

### DESCRIPTION:

MA in the Culture and the Language of European Organizations

Entrance requirements:

- BA graduates, B2 language level.
- Written exam in English
- Interview - B language

Specializations: English/French, Italian, German, Spanish

Duration: 4 semesters

Job opportunities:

- Personal assistant in commerce, counseling, and administration companies
- Marketing research expert
- Press correspondent
- Small enterprise manager
- Translator

Teaching languages: English/French, Italian, German, Spanish, Romanian

Courses/Workshops:

- Business Communication Module
- Organization Culture Module
- European Contemporary Civilization Module
- European Organizations Module
- Specialised Languages Workshops (legal, financial, tourism, and business terminology; professional skills in a foreign language, academic writing)
- Economics Module (Macroeconomics, International Strategies, Marketing)
- Leadership in Management

Professional training in firms recommended by the Chamber of Commerce, Marketing Research firms, Public Libraries, IT companies, multinational companies, tourism etc.

Teaching staff: teachers from the Faculty of Foreign Languages and Literatures, from The Faculty of Law and from the Faculty of Administration and Affairs (University of Bucharest), teachers from The Academy of Economic Studies and experts from the Romanian Government.

Erasmus scholarships abroad:

- 2 scholarships at Edge Hill University, UK
- 2 scholarships at Université Paris VII,
- 2 scholarships at Université Jean Moulin Lyon III, France
- 2 scholarships at Avans Hertogenbosch, The Netherlands
- 2 scholarships in Limoges, Poitiers, Annecy, France
- 2 scholarships in Seinayoki, Finland
- 2 scholarships at Edge Hill University, UK

### COORDINATOR

Conf. univ. dr. Diana  
IONIȚĂ

[diana.ionita@lts.unibuc.ro](mailto:diana.ionita@lts.unibuc.ro)

+4021-312.54.54

**Affiliation:**

- DUKENET European Consortium (The Netherlands)
- AILEA – L'Association Internationale des Langues Étrangères Appliquées (Paris, France)

**International visibility:** MA students participate in marketing simulation contests, via English, organized by DUKENET European Consortium twice a year. Every year, our students win gold, silver, and bronze medals, which are a real asset for their job application portfolio. They also participate in Erasmus+ grants (2011-2014 - organizer: University of Economics, Katowice, Poland).

**Employability: 91%** The main characteristic of this MA programme is the interdisciplinary curriculum, which enables the graduates to find a good job immediately. The focus is on specialised terminology as well as on the European legislation and institutions, which, together with the international affiliations, facilitate the graduates' integration in different multinational companies both in Romania and abroad.

## 2. Education

### 2.1. Education

#### 2.1.1. Education and Human Rights

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

**DESCRIPTION:**

The M.A in Education and Human Rights is a two-year course, which includes a dissertation. It aims at promoting the theory, research, and practice in Education and Human Rights. More particularly, it aims at producing experts and professionals in research, teaching, and educational policies, with emphasis on combating social inequalities and consolidating human rights in education.

It accepts students with a first-degree in education but also related disciplines mostly but not exclusively from the humanities and the social sciences. It is a two-year course, which also requires a dissertation.

The September's Interdisciplinary Seminar (3rd semester), "Education, Human Rights, and Social Inequalities," is a compulsory course held in English co-teaching: UoA and international scholars (5 ECTS). This IS is a one-week intensive seminar-cum-workshop (summer school) that prepares students to participate in the original research and knowledge production process.

The IS brings together teaching staff from European Universities and the Faculty of Early Childhood Education in collaborative teaching. It promotes cooperation among the two institutions, specifically among respective faculties and students. It promotes the theoretical, conceptual, and practical integration of research questions, theoretical foundations, social frame, and conceptual constructions in dealing with an original question- issue. The approach of analyzing an original research question or topic is developed in a cooperative endeavor. Courses are held in Greek and in English

**More details**

**Our website**

**COORDINATOR:**

Associate Prof. Nelli  
ASKOUNI  
[naskouni@ecd.uoa.gr](mailto:naskouni@ecd.uoa.gr)  
210 368 8546

**ADMINISTRATIVE  
CONTACT:**

Maria NTELIKOU  
[pmsteapi@gmail.com](mailto:pmsteapi@gmail.com)  
| 30 210-3689312  
Department of Early  
Childhood Education,  
5 Stadiou Str. 7th  
floor, Athens, 10680

## 2.1.2. Special Education

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

### DESCRIPTION:

The Postgraduate Program "Special education" has as its object the research, study, and implementation of methods for Special and Inclusive Education. The purpose of the Program is the provision of a high-level postgraduate education in the scientific field of special education and the training of postgraduate students on issues related to special education, inclusive education, and disability studies.

The Postgraduate Program "Special Education" aims to provide postgraduate students with theoretical knowledge, comprehensive specialization, necessary skills and abilities for wider scientific, research, or professional activity, as well as critical thinking about the creative reading of everyday life through scientific dialogue. The Program emphasizes on research practice and educational internship. The Postgraduate Program "Special Education" offers one compulsory course in English. The title of the course is Inclusive education policy and practice: cross-cultural perspectives. The course is taught and evaluated in English.

Postgraduate students attend a 39-hour seminar in English over two weeks with traditional place-based classroom methods. The credits of the course are 10 ECTS.

**Programme website**

**More details**

### COORDINATOR:

Associate Professor  
Vassilis TSAFOS

### CONTACT PERSON:

Katerina MICHA  
[kmich@ecd.uoa.gr](mailto:kmich@ecd.uoa.gr)  
+30 210 3689311  
Department of Early  
Childhood Education  
Office No.719, 7th floor,  
5 Stadiou Str, 10562  
Athens, Greece

## 2.1.3. Education for Sustainable Development (EN)

**UNIVERSITY:** STOCKHOLM UNIVERSITY

### DESCRIPTION:

The course aims to offer a platform to deepen theoretical understanding and raise critical and practical awareness concerning Education for Sustainable Development (ESD).

It contains compulsory instruction, which combines lectures, workshops, discussions, and group work to achieve the learning outcomes.

**Programme webpage**

### CONTACT

Emma WEST



## 2.1.4. Teacher Training for Lower and Upper Secondary Education

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

### DESCRIPTION:

Master: Teacher Training for Lower and Upper Secondary Education (French and Spanish)

The Double Master's Degree in Teacher Training for Compulsory Secondary Education and Baccalaureate (Specializing in French) and International Francophone Studies (Double Master MESOB-MEIF) provides extensive training in Teaching-Learning-Acquisition of French as a Foreign Language in the Spanish educational context (Secondary Education, Official Language Schools), as well as in Francophone International Studies.

Trilingual (French/Spanish, and two topics in English)

Credits ECTS: 94

Minimum ECTS: 24/36

Number of places offered: 10 places

Any query on the procedure for admission to this Master's degree should be addressed to [posgrado.official@uam.es](mailto:posgrado.official@uam.es)

(tfnos. +(34) 914972645, +(34) 914975737)

### Programme webpage

### COORDINATES:

[coordinacion.doblemaster.mesob-meif@uam.es](mailto:coordinacion.doblemaster.mesob-meif@uam.es)

Beatriz MANGADA  
CAÑAS

Department of  
Philologies and its  
Didactics | Faculty of  
Teacher Training and  
Education

Marta TORDESILLAS  
COLADO

Department of French  
Philology | Faculty of  
Arts and Humanities.

Gema SANZ  
ESPINAR

Coordination Assistant,  
Department of French  
Philology | Faculty of  
Arts and Humanities.  
Secretary of the Faculty  
of Professor Training  
and Education

[gestionmaster.fprofesorado-@uam.es](mailto:gestionmaster.fprofesorado-@uam.es)

91 497 86 60

91 497 86 38

## 2.1.5. Teacher Training for Lower and Upper Secondary Education (English and Spanish)

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

### DESCRIPTION:

Bilingual: Spanish /English

Credits ECTS: 60

Number of places offered: 30 places

### COORDINATOR

María Rosario

CERRILLO MARTÍN

[delegada.mastersecundaria-@uam.es](mailto:delegada.mastersecundaria-@uam.es)

Any query on the procedure for admission to this Master's degree should be addressed to [posgrado.official@uam.es](mailto:posgrado.official@uam.es)

(tfnos. +(34) 914972645, +(34) 914975737)

**Programme webpage**

Secretary of the Faculty  
of Professor Training  
and Education

[gestionmaster.fprofesorado-@uam.es](mailto:gestionmaster.fprofesorado-@uam.es)  
91 497 49 73

## 3. Social Sciences and Journalism

### 3.1. Economics / Business Administration

#### 3.1.1. Business Economics (EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

##### **DESCRIPTION:**

The Master in Economics trains students to become applied economists, policymakers, consultants, and business professionals in sectors and activities that require technical and analytical skills.

It provides them with up-to-date quantitative and conceptual tools for economic, statistical, and financial analysis, and prepares them for policy and business practice. Both master programmes have a strong European orientation that manifests itself through EU-specific courses (e.g., on competition policy) or through the emphasis placed in general courses on the specificities of the European dimension.

The Master in 'Business Economics' develops the students' grasp of business, economics, and policy issues and highlights their interactions (e.g., finance and financial regulations, strategy and competition policy, regulation and lobbying, etc.).

**Programme website**

##### **COORDINATES**

Philippe WEIL [philippe.weil@ulb.be](mailto:philippe.weil@ulb.be)

Département Enseignement - SBS-EM | 02 650 42 20 | Faculté Solvay Brussels School - E.M. | Campus du Solbosch - CP 114/04 | Avenue F.D. Roosevelt, 50 | 1050 Bruxelles

Patrick LEGROS [patrick.legros@ulb.be](mailto:patrick.legros@ulb.be)

Département Enseignement - SBS-EM | 02 650 42 19 | Faculté Solvay Brussels School - E.M. | Campus du Solbosch - CP 114/04 | Avenue F.D. Roosevelt, 50 | 1050 Bruxelles

Thomas DEMUYNCK [thomas.demuynck@ulb.be](mailto:thomas.demuynck@ulb.be)

Département Enseignement - SBS-EM | Faculté Solvay Brussels School - E.M. | Campus du Solbosch - CP 135 | Avenue F.D. Roosevelt, 50 | 1050 Bruxelles

### 3.1.2. Economics: General, Focus: Economic Analysis and European Policy (FR/EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

#### DESCRIPTION:

The Master in 'Economic Analysis and European Policy' covers the full range of economic issues (employment, competition, growth, development, redistribution, etc.) and policy-making challenges, from the sector- or industry-level to the national or even global economy.

#### Programme website

#### COORDINATES

Philippe WEIL [philippe.weil@ulb.be](mailto:philippe.weil@ulb.be)

Département Enseignement - SBS-EM | 02 650 42 20 | Faculté Solvay Brussels School - E.M. | Campus du Solbosch - CP 114/04 | Avenue F.D. Roosevelt, 50 | 1050 Bruxelles

Patrick LEGROS [patrick.legros@ulb.be](mailto:patrick.legros@ulb.be)

Département Enseignement - SBS-EM | 02 650 42 19 | Faculté Solvay Brussels School - E.M. | Campus du Solbosch - CP 114/04 | Avenue F.D. Roosevelt, 50 | 1050 Bruxelles

Thomas DEMUYNCK [thomas.demuynck@ulb.be](mailto:thomas.demuynck@ulb.be)

Département Enseignement - SBS-EM | Faculté Solvay Brussels School - E.M. | Campus du Solbosch - CP 135 | Avenue F.D. Roosevelt, 50 | 1050 Bruxelles

### 3.1.3. Economics: Econometrics, Focus Research in Economics (EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

#### DESCRIPTION:

The research-oriented Masters in Economics and in Economics and Statistics provides students with the theoretical and statistical tools required to pursue advanced analysis and research in economics. The research-oriented Master in Economics provides general training in all areas of economics.

#### Programme website

#### CONTACT

Gani ALDASHEV  
[gani.aldashev@ulb.ac.be](mailto:gani.aldashev@ulb.ac.be)

Département  
Enseignement - SBS-  
EM | Faculté Solvay  
Brussels School - E.M.

### 3.1.4 Economics: Econometrics, Focus Research in Economics and statistics (EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

#### DESCRIPTION:

The research-oriented Master in Economics and Statistics offers students the possibility to specialize in topics at the intersection between economics and statistics.

#### Programme Website

#### CONTACT

Gani ALDASHEV  
[gani.aldashev@ulb.ac.be](mailto:gani.aldashev@ulb.ac.be)  
Département  
Enseignement - SBS-  
EM | Faculté Solvay  
Brussels School - E.M.

### 3.1.5. Management science (EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

#### DESCRIPTION:

The Master in Management Science is a demanding programme that aims to train students in all core disciplines and areas relevant to business management.

Its key distinguishing features are the size of its first-year common core (advanced mandatory courses)—which provides students with a solid base of knowledge and skills—, its strong emphasis on analytical skills, and its multi-disciplinary nature (law, economics, management, communication, and languages)—which provides students with a breadth of tools and approaches to evolve in an increasingly complex and dynamic world.

A wide selection of electives in the second year allows students to pursue their intellectual interests in all disciplines of management or apply their skills in a supervised consulting project with partner companies.

#### Programme website

#### CONTACT

Evelyne VANPOUCKE  
[evelyne.vanpoucke@ulb.be](mailto:evelyne.vanpoucke@ulb.be)  
02 650 44 62  
Département  
Enseignement - SBS-  
EM | Faculté Solvay  
Brussels School - E.M.  
Campus du Solbosch -  
CP 114/05 | Avenue  
F.D. Roosevelt, 50  
050 Bruxelles  
Marco BECHT  
[marco.becht@ulb.be](mailto:marco.becht@ulb.be)  
02 650 44 66  
Département  
Enseignement - SBS-  
EM | Faculté Solvay  
Brussels School - E.M.  
Campus du Solbosch -  
CP 135 | Avenue F.D.  
Roosevelt, 50 | 1050  
Bruxelles

### 3.1.6. Business engineering (FR/EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

#### **DESCRIPTION:**

This very intensive and demanding programme, prepares future executives, leaders, and entrepreneurs who can work in any type of industry and organization—for-profit, non-profit, or public. Students in this programme develop the ability to understand and engage in all areas of business administration. A business engineer is able to integrate all main functions and departments of an organization and to arbitrate between them.

Students develop their knowledge and know-how in all fields of management (strategy, finance, marketing, human resources and leadership, operations and supply-chain, innovation, information systems, and digital business) while also learning key skills involved in defining a strategy, enacting changes, or creating a business: information analysis, problem-solving, project leadership, personnel management, communication, ethics in business, critical thinking, entrepreneurial drive, team work, and self-management.

**Programme website**

#### **CONTACT**

Hugues PIROTTE  
[hugues.pirrotte@ulb.be](mailto:hugues.pirrotte@ulb.be)  
02 650 65 21  
Département  
Enseignement - SBS-  
EM | Faculté Solvay  
Brussels School - E.M.  
Campus du Solbosch -  
CP 114/03  
Avenue F.D. Roosevelt,  
50 | 1050 Bruxelles

### 3.1.7. Microfinance (EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

#### **DESCRIPTION:**

The European Microfinance Programme (EMP) was launched in 2005 in response to a growing demand for training in development activities, particularly in microfinance. Currently, the EMP is jointly organized by three European universities (Université Libre de Bruxelles, Université de Mons, and Université de Paris-Dauphine) and four non-governmental organizations ADA, BRS, CERISE, and SOS Faim.

The purpose of the programme is to train microfinance professionals from both the North and the South and contribute to the strengthening of microfinance institutions worldwide in accordance with the highest international standards.

The EMP offers a multidisciplinary approach to development issues in the microfinance sector. The programme combines solid theoretical foundations, practical knowledge, and an on-field internship.

**Programme website**

#### **CONTACT**

Ariane SZAFARZ  
[ariane.szafarz@ulb.ac.be](mailto:ariane.szafarz@ulb.ac.be)  
02 650 48 65  
Département  
Enseignement - SBS-  
EM | Faculté Solvay  
Brussels School - E.M.  
Campus du Solbosch -  
CP 114/03  
Avenue F.D. Roosevelt,  
50, 1050 Bruxelles

### 3.1.8. Introduction to Global Political Economy

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

Introduction to Global Political Economy; MA; English

The overall purpose of this course is to equip students with the theoretical and conceptual tools that are required to study the GPE problematic, which necessarily traverse the disciplinary boundaries of international economics, economic history, and international relations. It consists of lectures and seminars.

**Programme webpage**

**CONTACT**

Gonzalo POZO  
MARTIN

### 3.1.9. Ideation - creating a business idea (EN)

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

During the course, you will be challenged to identify areas of need, to find and create business ideas, and to develop business concepts and opportunities. The course will mix and match lectures with debates, discussions, and workshops by the students as well as leaders in the field.

**From our website**, Click on the "Log in" button and select "Stockholm University." You will then be able to search for the courses. To be able to apply for SSES courses on Universityadmissions.se, you have to be admitted to a Master Program at Stockholm University (SU) or admitted to Kandidatprogramet i Företagsekonomi, Bachelor program Global Management, Bachelor's programme in International Business and Politics.

**Programme webpage**

**CONTACT**

Anna LÖNNBERG

### 3.1.10. International Economics

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

**DESCRIPTION:**

The Master in International Economics is an official master programme of the Universidad Autónoma de Madrid. Its objective is to offer students a comprehensive and high-quality academic training to enable them to work as professionals or researchers in the field of international economics.

**1 year 60 ECTS**

**COORDINATORS:**

Ainhoa HERRARTE  
SÁNCHEZ

Nikolas MÜLLER-  
PLANTENBERG

Any query on the procedure for admission to this Master's degree should be addressed to [posgrado.official@uam.es](mailto:posgrado.official@uam.es)

(tfnos. +(34) 914972645, +(34) 914975737)

### Programme webpage

Federico STEINBERG  
WECHSLER

### CONTACT:

Department of  
Economic Analysis:  
Economic Theory and  
Economic History  
[coordinador.master.-  
economiaiinternacional  
@uam.es](mailto:coordinador.master.-economiaiinternacional@uam.es)

## 3.1.11. European Management MSc

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

### DESCRIPTION:

Modern management is becoming ever more internationally oriented. The M.Sc. European Management provides a unique intercultural study experience at leading European universities to prepare students for the demands of the European labor market.

Students in this program spend one year at the University of Tübingen and one year at the partner university of their choice. They are able to choose from a broad range of courses at both universities to tailor the contents of the program to their specific needs.

Due to the international focus of the program, graduates are able to get into different working procedures in different countries efficiently and adopt beneficial practices employed in other cultures.

In addition to the M.Sc. in European Management, students are granted a Master's degree from their chosen partner university. With this additional qualification, graduates have a wider range of employment possibilities in different countries and multinational operating companies.

### Programme webpage

### COORDINATES

Prof. Dr. Christian  
KOZIOL

[christian.koziol@uni-  
Tübingen.de](mailto:christian.koziol@uni-Tuebingen.de)  
+49-7071 - 2978158  
Nauklerstraße 47,  
72074 Tübingen

## 3.1.12. Accounting and Finance MSc

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

### DESCRIPTION:

The financial crisis of 2008 has partially originated from poorly regulated, risky financial instruments. To avoid such crises in the future, financial and regulatory institutions need experts trained in both accounting and finance. Combining analytical skills in financial risk

### COORDINATES

Professor Dr. Werner  
NEUS



management with professional knowledge in internal and external accounting, the M.Sc. Accounting and Finance features an integrated analytical approach to graduate education in these fields.

Other than for the difficult task of regulating financial markets, knowledge taught in this program is of great importance in several fields of business that rely on risk management and an understanding of how incentives determine managers' behavior in both financial and non-financial firms. However, the scope of the program reaches far beyond the limits of these two fields of business.

Students who enroll in this program may specialize in either Accounting or Finance through advanced field courses or alternatively choose a more balanced portfolio of courses in both fields. Other courses focus on institutional aspects pertaining to Corporate Governance and Auditing. Importantly, the program includes theory and application of empirical methods as employed in the practice of Empirical Banking or in institutions aiming at international financial stability.

**Specializations:**

- Continuous-Time Derivatives Pricing
- Advanced Corporate Finance or
- Managerial Accounting
- Corporate Governance and Auditing
- Managing Corporate Taxation
- Advanced Time Series Analysis
- Empirical Banking

**Programme webpage**

### 3.1.13. General Management MSc

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

**DESCRIPTION:**

Modern management increasingly requires a broad and versatile skill set. The M.Sc. General Management reflects this requirement, and it is the most flexible approach to business studies at the University of Tübingen. It gives students the freedom to choose what best fits their needs and preferences.

Students in this program can choose from the wide range of courses offered by the School in order to acquire knowledge, expertise, and skills tailored to their preferences and in line with the requirements of their intended career path. Students can either specialize in their preferred area, or they can cover a broad range of topics, including

[werner.neus@uni-Tübingen.de](mailto:werner.neus@uni-Tübingen.de)

+49-7071-297 25 75

**CONTACT:**

Prof. Dr. Dominik  
PAPIES

Nauklerstr. 47  
+49-7071-29-78202  
[dominik.papies@uni-Tübingen.de](mailto:dominik.papies@uni-Tübingen.de)

various management disciplines, Economics, or neighboring fields, such as Law, Psychology, Sociology, or Statistics.

**Programme webpage**

### 3.1.14. International Business MSc

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

**DESCRIPTION:**

In today's globalized economy, increasing numbers of companies compete on global markets, for which they require managers that possess international qualifications and intercultural competence in addition to business expertise.

The M.Sc. International Business prepares business leaders of tomorrow for successfully doing business in some of the fastest-growing economic areas of the world.

Students spend the first year of the program in Tübingen obtaining profound knowledge in fields of international business of their choice.

In the second year of the program, they specialize in either East Asia or sub-Saharan Africa and spend one year at one or two of the most prestigious universities in these regions

**Programme webpage**

**COORDINATES:**

Prof. Dr. Markus  
PUDELKO

Melanchthonstr. 30  
72074 Tübingen  
+49-7071-29 74150  
[markus.pudelko@uni-Tuebingen.de](mailto:markus.pudelko@uni-Tuebingen.de)

### 3.1.15. Economics MSc

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

**DESCRIPTION:**

The M.Sc. Economics builds upon the expertise and reputation of our faculty in various fields of economics. It offers a lot of flexibility and is the most versatile program in economics that we offer. If you want a program that allows you to choose courses from the areas of economics that you find most interesting, this is the program for you.

Experts in economics become ever more important for societies to master key challenges of the future, such as achieving sustainable growth and avoiding unacceptable levels of economic inequality or unemployment.

A broad range of field courses and electives gives you all the necessary flexibility to develop your individual academic profile in order to become such an expert.

**COORDINATES**

Prof. Dr. Frank STÄHLER  
+49-7071-2972123  
[frank.staehler@uni-Tuebingen.de](mailto:frank.staehler@uni-Tuebingen.de)

Graduating from this program, you will be able to understand the driving forces behind major economic trends and what these mean for firms, workers, and governments. You will acquire the skills to analyze economic data professionally and understand the logic of economic problems.

**Programme webpage**

### 3.1.16. Economics and Finance MSc

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

**DESCRIPTION:**

The 2008 crisis originating in the financial sector had severe consequences for economies and societies worldwide. It is, therefore, of the utmost importance that decision-makers in financial institutions, regulatory offices, and central banks have a sound understanding of economic theory, the financial instruments designed for risk management, and the tools of modern econometric analysis. Consequently, the M.Sc. in Economics and Finance combines the strengths of our school in economics, finance, and econometrics to endow our graduates with the skills needed to address these issues.

Graduating from our program, you will be able to analyze financial and economic data in a scientific manner.

You will know how prices of risky assets should be determined and understand why financial instruments like options and futures can increase social welfare, even though they may involve potential risks for individual investors and financial stability.

Throughout the program, you will acquire methodological skills (theoretical, econometric, and programming) and expertise that greatly enhance your career perspectives. A M.Sc. in Economics and Finance is the first step towards an ambitious professional career in private and public (financial) institutions or academia.

**Programme webpage**

#### COORDINATES

Prof. Dr. Joachim  
GRAMMIG  
Sigwartstr. 18, 72076  
Tübingen  
+49-7071 - 2978159  
[joachim.grammig@uni-tuebingen.de](mailto:joachim.grammig@uni-tuebingen.de)

### 3.1.17. International Economics MSc

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

**DESCRIPTION:**

In today's highly globalized world, governments and firms need experts trained in international economics. Suppose you are intrigued by debates about the costs and benefits of economic globalization, the

#### COORDINATES

Prof. Dr. Frank STÄHLER  
+49-7071-2972123

M.Sc. International Economics will provide you with the necessary skills to analyze these questions in a scientific manner.

In addition to the advanced command of economic techniques, the program consists of specialized courses in globalization, international trade, and migration. Further courses will help you understand the intricacies of monetary and fiscal policy under different exchange rate regimes.

Graduating from this program, you will understand the driving forces behind major trends in global markets and what these trends mean for workers, firms, and governments. Moreover, you will be able to evaluate the costs and benefits of international economic policies.

**Programme webpage**

[frank.staehler@uni-Tuebingen.de](mailto:frank.staehler@uni-Tuebingen.de)

### 3.1.18. Management and Economics MSc

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

**DESCRIPTION:**

Managers of today's firms operate in a global environment and must be prepared to react to changing business and market conditions quickly, competitors' actions, and internal governance problems.

The Management and Economics program provides students with the methodological tools for the analysis of business and market environments with a core focus on managerial economics, personnel economics, behavioral economics, and industrial organization. The courses offered in the program deal with the strategic behavior of competing firms and focus on implementing management tools within the firms to provide an informational basis for successful business strategies, show how to use the firm's accounting system for decision-making purposes, and account for potential information asymmetries.

Moreover, students learn how to select appropriate performance measures, design efficient incentive systems, and develop strategies to build up and maintain the human capital needed in the firm.

Students of this program develop analytical and professional skills and learn how to apply advanced methods of game theory and principal-agent theory to understand the implications of strategic interaction among different players.

**Programme webpage**

**COORDINATES**

Prof. Dr. Kerstin PULL

[hrm@wiwi.uni-Tuebingen.de](mailto:hrm@wiwi.uni-Tuebingen.de)

Management and  
Organization  
Nauklerstr. 47  
72074 Tübingen

### 3.1.19. European Economics MSc

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

**DESCRIPTION:**

The M.Sc. European Economics is a unique double-degree program offering a comprehensive and flexible graduate-level economics education combined with an integrated year of study in either Pavia, Italy, or Nottingham, England.

Students spend one year at the University of Tübingen and one year at the partner university of their choice, either the Università degli studi di Pavia or the University of Nottingham.

Living and studying in Italy or England, students gain valuable skills and capacities necessary to compete in the European economic world. Due to the international focus of the program, graduates are able to get into different working procedures in different countries efficiently and adopt beneficial practices employed in other cultures.

In addition to the M.Sc. in European Economics, students are granted a Master's degree from the partner university of their choice. Thus, graduates have a wide range of career options in international companies or institutions in the public sector.

**Programme Webpage**

**COORDINATES**

Prof. Dr. Jörg BATEN  
[joerg.baten@uni-Tuebingen.de](mailto:joerg.baten@uni-Tuebingen.de)  
Melanchthonstr. 30  
72074 Tübingen  
+49-7071-29 72985

### 3.1.20. Business Consulting (EN)

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

**DESCRIPTION:**

The master program aims to the formation of future business consultants who have the skills and competencies necessary to apply the knowledge acquired within the program and who will become responsible citizens, and to stimulating creativity and entrepreneurial spirit among students. The core values of the program are: teamwork, integrity, professionalism, honesty, excellence, responsibility, diversity, leadership, trust.

First academic year: IT for Business Consulting, Operations Management, Contemporary Issues in Management, Business Strategies and Models, Intercultural Communication & Negotiation, Business Simulations, Controlling & Financial Analysis, Business Competition and Marketing Strategies, International Business Law, French/German, Ethics and Academic Integrity, Volunteering.

**COORDINATES**

Sorin-George TOMA

Professor,  
Faculty of Business and  
Administration  
[tomagsorin62@yahoo.com](mailto:tomagsorin62@yahoo.com)

Second academic year: Enterprise Resource Planning, Leadership, and Business Consultancy, Business Consulting, Creativity in Economy and Business, Practice in Business Consulting, Ethics and CSR, Practice in Business Consulting, French/German, Practice for Final Thesis, Scientific Research for Final Thesis.

### **Programme description**

## **3.1.21. Behavioural Economics (EN)**

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

### **DESCRIPTION:**

This is a unique program in Romania regarding the content and research interests (in 2017, it received the award for the most innovative program in social sciences within the University of Bucharest).

The program aims to prepare specialists in the areas of decision processes and strategic interaction, having an evidence-based approach, both for business and public policies. The curriculum integrates the most recent theories on economic behaviour (behavioural economics, behavioural game theory, and complexity economics) and economic psychology, with a solid knowledge of research methods, statistics and data analysis (with a focus on R as open software).

The classes Measurement of Latent Variables and Networks and Complexity Economics, held by an international professor from Canada, as intensive modules. The general requirement is a short research proposal that has to be presented to the admission committee (weighted 30% also by the undergraduate score). There is no separate procedure for international students to avoid the physical registration paperwork/presentation (at least for those that contact us directly). For the rest, the International Relations Department handles this. But we are open to online interviews or just an offline evaluation of the research proposal for CIVIS and international students.

### **Programme description**

## **3.1.22. Business Administration (MBA)**

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

### **DESCRIPTION:**

This programme is organized (since 2008) by the UNESCO Chair in Interculturality, Good Governance and Sustainable Development

### **COORDINATES:**

Prof. Elena DRUICĂ  
Faculty of Business  
and Administration  
[Elena.druica@faa.unibuc.ro](mailto:Elena.druica@faa.unibuc.ro)

Assoc. Prof. Rodica  
IANOLE-CĂLIN  
Faculty of Business  
and Administration  
[rodica.ianole@faa.unibuc.ro](mailto:rodica.ianole@faa.unibuc.ro)

### **COORDINATES:**

Conf. Cristian IFTODE



(Faculty of Philosophy) in partnership with the Universities of Fribourg (CH) and Geneva (CH), University of Regensburg (D), and Burgundy School of Business (F).

It provides students with a unique opportunity to meet top academics and specialists from international universities, successful managers, and entrepreneurs. Students interested in developing a career in business and management benefit from the excellent know-how of practitioners experienced in managing complex organizations.

Graduates have a strong competitive advantage in the labor market, as the MBA helps them acquire/improve managerial skills and prepares them to successfully innovate in business. From the academic HR point of view, the program has made real progress by the contribution of several international scholars and practitioners in the field of business administration. Courses are usefully complemented by case studies, as the program has a strong orientation towards both an academically rigorous and practically relevant learning experience for the students.

**More details**

Faculty of Philosophy  
[cristian.iftode@filosofie.unibuc.ro](mailto:cristian.iftode@filosofie.unibuc.ro)

Prof. Romulus  
BRÂNCOVEANU  
Faculty of Philosophy  
[romulus.brancoveanu@filosofie.unibuc.ro](mailto:romulus.brancoveanu@filosofie.unibuc.ro)

Lilian CIACHIR  
Faculty of Philosophy  
[lilian.ciachir@filosofie.unibuc.ro](mailto:lilian.ciachir@filosofie.unibuc.ro)

## 3.2. Political Sciences

### 3.2.1. Southeast European Studies: Politics, History, Economics

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

#### **DESCRIPTION:**

MA in Southeast European Studies: Politics, History, Economics

This Master's Degree combines several social science perspectives (political science, international relations, and law, history, and economics).

The aim is to provide a thorough and multidisciplinary understanding of the key historical, political, economic, and legal issues, among others, in Southeast Europe. In other words, it aims to promote discussion on the Southeast European region and mutual understanding of its current affairs.

The programme was founded in 1999, during the Kosovo crisis, at a time of violent upheaval in SE Europe. The idea was to bring together students from different cultures, to learn about SE Europe with and from each other, and thus contribute to the promotion of peace, democracy, and reconciliation of the region. Today, South-eastern

#### **CONTACT:**

Prof. Emmanuella  
DOUSSIS  
[edoussis@pspa.uoa.gr](mailto:edoussis@pspa.uoa.gr)

#### **ADMINISTRATIVE CONTACT:**

Dr. Anna  
VALLIANATOU,  
Programme Administrator  
+30 210 368 8965  
[postgrad\\_SEE@pspa.uoa.gr](mailto:postgrad_SEE@pspa.uoa.gr)



Europe is still the entry point for challenges (ethnic conflict, migration) and opportunities (economic relations with the Middle East and China) for the EU.

The exclusive language of instruction and examination on the Programme is English. All assignments are completed in English.

### **Our website**

6, Themistokleous St.  
(second floor - Office 7)  
106 78 Athens

## **3.2.2. South European Studies (EUROSUD)/Erasmus mundus joint master degree**

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

### **DESCRIPTION:**

The International Master in South European Studies (EUROSUD) is designed for students who wish to acquire unparalleled regional expertise as well as a sound grounding in international affairs and pursue a career in the public, private or non-profit sectors or further academic study through a Ph.D. programme.

Graduates will be equipped with academic knowledge, research skills, language skills, and practical employability skills through this jointly developed and delivered programme.

EUROSUD brings together a network of six European partner universities, significant cultural organisations, think tanks, and policy practitioners with unparalleled expertise and knowledge of the region to offer a unique multi-disciplinary, flexible and integrated curriculum that facilitates cultural immersion through three international mobility periods, a multidisciplinary approach that sits between area studies and international affairs and critical tools and transferable skills that strengthen graduate employability.

### **European union enlargement to south eastern Europe**

### **Call for applicants**

### **south European studies**

### **CONTACT:**

Prof. Emmanuella  
DOUSSIS  
[edoussis@pspa.uoa.gr](mailto:edoussis@pspa.uoa.gr)

Dr Susannah VERNEY  
EUROSUD Programme  
Director (Athens)  
[deplan@otenet.gr](mailto:deplan@otenet.gr)

### **ADMINISTRATIVE CONTACT:**

Dr Anna  
VALLIANATOU  
EUROSUD Programme  
Administrator(Athens)  
[eurosudathens@pspa.uoa.gr](mailto:eurosudathens@pspa.uoa.gr)  
Evelyn KARAKATSANI  
EUROSUD Programme  
Assistant  
[eurosudathens@pspa.uoa.gr](mailto:eurosudathens@pspa.uoa.gr)

### 3.2.3. Geopolitical Analysis, Geostrategic Synthesis, and Defence and International Security Studies

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

#### DESCRIPTION:

MA in Geopolitical Analysis, Geostrategic Synthesis and Defence and International Security Studies

#### CONTACT

Prof. Ioannis MAZIS

[yianmazis@turkmas.uoa.gr](mailto:yianmazis@turkmas.uoa.gr)

[secl@turkmas.uoa.gr](mailto:secl@turkmas.uoa.gr)

30 210 3689588

Department of Turkish Studies and Modern Asian Studies  
Dragatsaniou 4, Athens| 10559 Greece

### 3.2.4. Political Sciences

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

#### DESCRIPTION:

Master in Political Sciences (60 credits) (EN)

The master's in political science in one year (60 credits) is offered in two versions: The day-time program is fully taught in English. The evening program is fully taught in French.

The day-time program in English offers a complementary training for students who want to deepen their university training.

The evening program in French offers complimentary training for students who want to re-orient their career path.

Completing the programme (60 credits) will help you in acquiring:

- An analytical approach based on rigorous methods;
- Advanced knowledge in one specific domain in political science: international relations or EU affairs, politics and government;
- Writing and public speaking skills in English;
- An opening to the world.

#### Our website

#### CONTACT:

Pascal DELWIT

Décanat de la Faculté de  
Philosophie et Sciences  
sociales

02 650 40 51

[pascal.delwit@ulb.ac.be](mailto:pascal.delwit@ulb.ac.be)

Faculté de Philosophie et  
Sciences sociales

Campus du Solbosch -  
CP 124

Avenue F.D. Roosevelt,  
50, 1050 Bruxelles

Christophe WASINSKI

Département de Science  
politique

02 650 44 68

[christophe.wasinski@ulb.ac.be](mailto:christophe.wasinski@ulb.ac.be)

Corinne GOBIN

Département des  
Sciences sociales et des  
Sciences du Travail  
02 650 49 15  
[corinne.gobin@ulb.ac.be](mailto:corinne.gobin@ulb.ac.be)

### 3.2.5. Political Sciences: General (FR/EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

#### DESCRIPTION:

Master in Political Sciences: General (FR/EN)

More generally, the programme also gives students key skills for their future careers: coherent and well-structured oral and written expression, the ability to retrieve and manage information, and language skills—which are a key aspect to finding a job.

Students are regularly encouraged to read English documents, and a number of courses are taught in English.

With skills tailored to the business world, graduates have great opportunities on the job market and can quickly find interesting work where they will make the most of their education.

**Programme website**

#### CONTACT

Pascal DELWIT  
Décanat de la Faculté de  
Philosophie et Sciences  
sociales  
02 650 40 51 |  
[pascal.delwit@ulb.ac.be](mailto:pascal.delwit@ulb.ac.be)  
Corinne GOBIN  
Département des  
Sciences sociales et des  
Sciences du Travail  
02 650 49 15 |  
[corinne.gobin@ulb.ac.be](mailto:corinne.gobin@ulb.ac.be)

### 3.2.6. Political Sciences: International Relations, Focus: Security, peace, conflicts (FR/EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

#### DESCRIPTION:

The Master in political science and specialized in international relations has been designed to provide students with high-impact training as interesting as possible, but also designed to easily open the door to meaningful employment.

At the ULB, the political science program specialized in international relations also profits from the pooling of a significant number of courses with the Institute of European Studies, one of the best in Europe, and with the Centre of International Law, of similar international renown.

**Programme website**

#### CONTACT

Corinne GOBIN  
Département des  
Sciences sociales et des  
Sciences du Travail  
02 650 49 15 |  
[corinne.gobin@ulb.ac.be](mailto:corinne.gobin@ulb.ac.be)  
Christian OLSSON  
Département de Science  
politique  
02 650 44 83 |  
[christian.olsson@ulb.ac.be](mailto:christian.olsson@ulb.ac.be)

### 3.2.7. Political Sciences: International Relations, Focus: World (EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

#### DESCRIPTION:

The Master in political science and specialized in international relations has been designed to provide students with high-impact training as interesting as possible, but also designed to easily open the door to meaningful employment.

At the ULB, the political science program specialized in international relations also profits from the pooling of a significant number of courses with the Institute of European Studies, one of the best in Europe, and with the Centre of International Law, of similar international renown.

**Programme website**

#### CONTACT

Corinne GOBIN  
Département des  
Sciences sociales et des  
Sciences du Travail  
02 650 49 15 |  
[corinne.gobin@ulb.ac.be](mailto:corinne.gobin@ulb.ac.be)

Christian OLSSON  
Département de Science  
politique  
02 650 44 83 |  
[christian.olsson@ulb.ac.be](mailto:christian.olsson@ulb.ac.be)

### 3.2.8. Political Sciences: International Relations, Focus: Globalisation and public policies (FR/EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

#### DESCRIPTION:

The Master in political science and specialized in international relations has been designed to provide students with high-impact training as interesting as possible, but also designed to easily open the door to meaningful employment.

At the ULB, the political science program specialized in international relations also profits from the pooling of a significant number of courses with the Institute of European Studies, one of the best in Europe, and with the Centre of International Law, of similar international renown.

**Programme website**

#### CONTACT

Corinne GOBIN  
Département des  
Sciences sociales et des  
Sciences du Travail  
02 650 49 15 |  
[corinne.gobin@ulb.ac.be](mailto:corinne.gobin@ulb.ac.be)

Christian OLSSON  
Département de Science  
politique  
02 650 44 83 |  
[christian.olsson@ulb.ac.be](mailto:christian.olsson@ulb.ac.be)

### 3.2.9. European studies, Focus EU and Asia (EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

#### DESCRIPTION:

The MES is a high-level academic programme that is oriented towards the professional sector. As such, it combines academic excellence and critical awareness on the one hand with optimal preparation for the job market on the other hand. It is neither purely academic nor a strictly professional programme geared towards one-dimensional training professionals.

Compared to other programmes, the MES' most distinctive feature is the numerous interactions it sets up between excellence in research and education, which in turn sees students offered up-to-date international expertise.

- A privileged location in Brussels, the capital of the European Union and headquarters of the EU's main institutions
- A faculty involving teachers from several national and professional backgrounds, including both academics and practitioners
- A very international student body with a variety of identities, languages, and national cultures represented
- A tradition of excellence in the field of European Studies since the IEE is one of the oldest Jean Monnet Centres Excellence (i.e., since 1963) as well as a recognized forum for high-level debates on the EU and its future
- A centre for dialogue on European issues with, among others, the participation of European and international decision-makers
- Numerous international partnerships that provide its students and its researchers with a proven global outlook.

#### Programme Website

#### CONTACT

Amandine CRESPIY  
Département de Science  
politique  
02 650 67 22  
[amandine.crespy@ulb.ac.be](mailto:amandine.crespy@ulb.ac.be)

### 3.2.10. European Studies, Focus European Politic (FR/EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

#### DESCRIPTION:

The MES is a high-level academic programme that is oriented towards the professional sector. As such, it combines academic excellence and critical awareness on the one hand with optimal preparation for the job market on the other hand. It is neither purely academic nor a strictly professional programme geared towards one-dimensional training professionals.

#### CONTACT

Amandine CRESPIY  
Département de Science  
politique  
02 650 67 22  
[amandine.crespy@ulb.ac.be](mailto:amandine.crespy@ulb.ac.be)

Compared to other programmes, the MES' most distinctive feature is the numerous interactions it sets up between excellence in research and education, which in turn sees students offered up-to-date international expertise.

- A privileged location in Brussels, the capital of the European Union and headquarters of the EU's main institutions
- A faculty involving teachers from several national and professional backgrounds, including both academics and practitioners
- A very international student body with a variety of identities, languages, and national cultures represented
- A tradition of excellence in the field of European Studies since the IEE is one of the oldest Jean Monnet Centres Excellence (i.e., since 1963) as well as a recognized forum for high-level debates on the EU and its future
- A centre for dialogue on European issues with, among others, the participation of European and international decision-makers
- Numerous international partnerships that provide its students and its researchers with a proven global outlook.

#### Programme website

### 3.2.11. Interdisciplinary EU studies (EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

#### **DESCRIPTION:**

Young professionals seeking to acquire specialized knowledge of EU integration can follow this advanced programme in English, designed for students with an academic background in Political Science, Economics, History, Law, or other related disciplines (see admission requirements).

This Specialized Master's in Interdisciplinary EU Studies allows graduates from diverse backgrounds to enhance their initial set of skills with a high-level expertise of the political, economic, social, and legal stakes linked to EU integration.

The open-mindedness and intercultural approach of the program prepares students to evolve in an international environment. Interdisciplinary in nature, international in its reach, this unique program offers three paths for specialization and a focus on career development and professionalization.

As of 2018, this Master benefits from a memorandum of understanding with the Graduate School of Asia Pacific Studies (GSAPS) at the University of Waseda (Tokyo, Japan), which includes

#### **CONTACT**

Anne WEYEMBERGH  
Centre de recherche de  
Droit européen  
02 650 30 72|  
[anne.weyembergh@ulb.brussels](mailto:anne.weyembergh@ulb.brussels)  
Faculté de Droit et de  
Criminologie  
Campus du Solbosch -  
CP 172 |Avenue F.D.  
Roosevelt, 50 |1050  
Bruxelles

an annual student exchange program as well as an international academic chair in Comparative Regionalism taught by visiting guest lecturers from the partner institution.

After completing this program, graduates will be able to:

- Understand the challenges of EU, Global, and Regional integration
- develop expert knowledge on how the EU institutions function and on the EU's main policies
- Use in professional situations specialized knowledge in the field of study: 'Economic Governance and Policies in Europe,' 'Migrations, rights and policies in Europe' and 'EU integration, Regionalism, and Global Governance.'
- Understand major political, economic, social, historical, and cultural issues concerning European integration from an interdisciplinary perspective
- Develop analytical skills and elaborate an oral or written argumentation
- Develop a clear and well-structured argumentation
- write in a clear, structured, and adequate language based on scientific norms
- Communicate in English in academic and professional situations

**Programme website**

### 3.2.12. Migration and Social Change – a Life Course Perspective

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

This course deals with migration processes from a life course perspective; how social processes, such as migration, are shaped by events in the individual life.

It consists of lectures, seminars, and exercises.

**Programme webpage**

**CONTACT**

Natasha WEBSTER

### 3.2.13. Experimental Design (EN)

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

This course introduces you to statistical experimental design and experimental methods used in social sciences as well as economics, science, technology, and medicine.

**CONTACT**

Frank MILLER



You will learn how to design- and conduct experiments, and analyse data generated from experiments. The teaching forms consist of lectures and exercises.

**Programme webpage**

### 3.2.14. Comparative + Middle East Politics and Society (CMEPS)

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

#### **DESCRIPTION:**

The M.A. in “Comparative & Middle East Politics and Society” (CMEPS) is a two-year joint master’s program offered by the University of Tübingen and the American University in Cairo (AUC). It provides in-depth knowledge of the political and societal developments in the Middle East as well as analytical tools for understanding this region’s complex dynamics and challenges.

The focal point of the degree program is the relationship between societies and states in the MENA region, as well as the dynamics of social and political transformation. Key topics are Comparative Politics of the Middle East, development politics and international cooperation, and issues of regime change and democratization.

Students can also choose from a range of elective modules, concentrating, for example, on International Political Economy, Peace and Conflict Resolution, or on issues in the culture and civil societies of the Middle East.

Depending on their first degree, students of the CMEPS program will also take courses in either Political Science methods or basic Arabic during their first year. Irrespective of their first degree, by the end of their studies, CMEPS students will have a unique profile that combines an advanced knowledge of Comparative Politics with a strong specialization in the politics, society, cultures, and language of the Arab Middle East.

To promote the link between theory and practice, study trips to international organizations and development agencies as well as to important political and cultural institutions of the respective host country are included in the program.

**Programme webpage**

#### **CONTACT**

Tina ZINTL

07071 29 74912

[cmeps@ifp.uni-Tuebingen.de](mailto:cmeps@ifp.uni-Tuebingen.de)

Melanchthonstr. 36,  
72074 Tübingen

### 3.2.15. Public Policy and Social Change MA

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

**DESCRIPTION:**

Understanding the complexity of public policy in a fast-changing world is becoming ever more important for policymakers and analysts.

Master of Public Policy and Social Change (MPPSC) is a first-class international Master's programme focusing on the analysis of public policies in the light of social changes and societal challenges at the national, regional, and global level.

It is a consecutive Master's programme for highly-motivated international BA graduates of political science, sociology, and related social-science disciplines. MPPSC will enable graduates to become the policy analysts of tomorrow, for a world better governed.

**Programme webpage**

**CONTACT:**

Dr. Mikko KUISMA

+49-7071-29 75687  
[mppsc@wiso.uni-Tuebingen.de](mailto:mppsc@wiso.uni-Tuebingen.de)

Institute of Political  
Science  
Melanchthonstr. 36 |  
72074 Tübingen

### 3.2.16. Comparative Politics (EN)

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

**DESCRIPTION:**

MA – Comparative Politics (English)  
Graduate study program of 2 years (4 semesters)  
Number of credits: 120 ECTS

The two-year master program in comparative politics taught in English provides students with an intellectually stimulating analysis of the key issues in regional and European politics, such as the changing dynamics of state power, the dimensions of regime change, and the challenge posed to states by ethno-nationalism and political radicalisms. The program is on track to become of the elite graduate programs of the University of Bucharest in terms of internationalization and EU academic exchanges.

Our curriculum stresses both the theoretical and empirical dimensions related to the modern and contemporary evolution of politics and society in the region. The program offers courses in the fields of democratization, nationalism and ethnicity, political elites and institutions, and constitutionalism. These processes are analyzed as embedded in their area- and country-specific particularities and contexts.

The program looks for sophisticated analytical answers to such basic political questions as: "Why are some countries democratic while

**CONTACT:**

Prof. Dr. Dragoş  
PETRESCU

Faculty of Political  
Science  
[dragos.petrescu@fspub.unibuc.ro](mailto:dragos.petrescu@fspub.unibuc.ro)

others are not?"; "Why are some countries torn by ethnic conflict?"; "Do constitutions matter?"; "What is the impact of global capitalism on state sovereignty?"

**Webpage of the programme**

### 3.2.17. International Public Affairs

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

**DESCRIPTION:**

MA - International Public Affairs (English)  
Graduate study program of 2 years (4 semesters)  
Number of credits: 120 ECTS

This two-year degree program aims to prepare future professionals of public affairs for higher adaptability to multicultural and increasingly digital work environments while contributing to advancing the local, national, and global sustainable development and social responsibility efforts.

More specifically, the program creates and develops expertise in international public affairs, particularly (but not exclusively) for:

- the international relations,
- public communication or social responsibility/sustainable development units of the institutions and specialized agencies of the United Nations (UN) system;
- the institutions and specialized agencies of the European Union (EU);
- intergovernmental organizations; ministries or agencies of the central public administration; the local public administration; non-governmental organizations, etc.

**Webpage of the programme**

**CONTACT:**

Conf. Dr. Luciana  
GHICA

Faculty of Political  
Science  
[luciana.ghica@fspub.unibuc.ro](mailto:luciana.ghica@fspub.unibuc.ro)

### 3.2.18. Political Science; Politique en Europe: Etats, frontières, sociétés

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

**DESCRIPTION:**

Joint MA Program (with l'École des Hautes Études en Sciences Sociales (EHESS, Paris))  
Graduate study program of 2 years (4 semesters)  
Number of credits: 120 ECTS

**CONTACT**

Prof. Dr. Florin  
ȚURCANU

Our joint degree MA program "Politics in Europe. State, Borders and Societies" offers an interdisciplinary academic formation in the fields

of political science and European studies. The program combines a strong scientific component with professional training in our partner institutions.

Faculty of Political  
Science

[florin.turcanu@unibuc.ro](mailto:florin.turcanu@unibuc.ro)

Our main objective is to prepare students to become specialists in the social, cultural, and political history of Europe in order to further pursue doctoral studies or to build careers in international organizations, national public administrations, regional and European institutions, public or private companies, or the civil society and media.

Students are enrolled simultaneously in the two universities, FSPUB and EHESS, and benefit from joint coordination of their MA's theses. All courses are taught in French by FSPUB teachers and EHESS teacher-researchers, respectively. Students write assignments and take their exams in English or French.

**Webpage of the programme**

### 3.2.19. Political Science / Politiques de l'égalité des chances en Roumanie et dans l'Union européenne

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

**DESCRIPTION:**

MA in Political Science / Politiques de l'égalité des chances en Roumanie et dans l'Union européenne (French/one semester)

Vocational Professional MA Program

Graduate study program of 2 years (4 semesters)

Number of credits: 120 ECTS

**CONTACT:**

Prof. Dr. Ionela  
BĂLUȚĂ

Faculty of Political  
Science

[ionela.baluta@fspub.unibuc.ro](mailto:ionela.baluta@fspub.unibuc.ro)

Equal opportunities are a fundamental political value of the European Union. Several instruments transpose this legal and political principle in all Member States: directives, roadmaps, or priority strategies. Equal opportunities are, therefore, essential for the creation and implementation of public policies both at the European and national levels.

However, in some sensitive areas such as the fight against discrimination and poverty, the equality on the labor market, the political representation of the woman- the statistics point to significant differences between political objectives and social reality. One of the main causes of this state of affairs is undoubtedly the lack of knowledgeable human resources.

The Master's Degree in Equal Opportunities in the Romanian and European context aims to form professionals who possess the intellectual tools necessary to understand complex social and political problems and who can thus participate in the analysis, implementation, or evaluation of the appropriate public policies.

The MA program offers the possibility of opting for a semester in French, as well as the European course within the master's degree [E.G.A.L.E.S.](#) In this latter case, a joint degree can be obtained from the University of Bucharest and from the University of Lumière Lyon 2.

**Webpage of the programme**

## 3.3. Psychology

### 3.3.1. Psychological and organizational perspectives on work, stress, and health

**UNIVERSITY:** STOCKHOLM UNIVERSITY

#### **DESCRIPTION:**

The aim of the course is to illustrate deepened theoretical and practical aspects of work, stress, and health/ill-health from psychological and organizational perspectives.

It consists of lectures and seminars.

The course concludes with an examination seminar, which is based on the presentation and discussion of individually authored papers. All course literature is available as e-books.

**Programme webpage**

#### **CONTACT:**

Magnus SVERKE

## 3.4. Sociology

### 3.4.1. MA European Master's Programme on Society, Science, and Technology

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

#### **DESCRIPTION:**

The Master's programme European Studies of Society, Science, and Technology (MA ESST) aspires to train students in such a way that they are able to explore and understand the interrelated worlds of society, science, and technology in Europe and the world at large.

The relationships between society, science, and technology play a crucial role in shaping European and global challenges and prospects.

#### **SPECIALIZATION COORDINATORS:**

Prof. Theodore  
ARABATZIS  
(history)  
[tarabatz@phs.uoa.gr](mailto:tarabatz@phs.uoa.gr)

These relations have changed significantly in the last 20 to 30 years, and they are increasingly on the agenda of politicians, academics, and other professionals.

This growing awareness of the complex interrelationship between science, technology, and society has resulted in a burgeoning theoretical and policy literature (broadly defined to include courses of action open not only to governments but also to public and private sector organizations, trade unions, activist organizations, etc.).

The overarching aim of the MA ESST is to provide future researchers, innovation consultants, research managers, and policy-officers with a profound and critical understanding of the relation between research and innovation, as well as of the specific socio-historical context from which they emerge and today's European socio-economical context in which they take place.

The ESST Master's programme is a 60 ECTS programme and is divided into two parts: a first general introductory part and a second part aimed at specialisation.

MA courses are taught in English

**Our website**

Prof. Stathis PSILLOS  
(philosophy)

[psillos@phs.uoa.gr](mailto:psillos@phs.uoa.gr)

### 3.4.2. Master in Sociology Focus Migration and Cultural Diversity (FR/EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

**DESCRIPTION:**

The Master in Sociology is designed to let students orient their education depending on their professional aspirations: either a career in research or academic teaching or a non-academic career in a public or private organization in which they can make the most of their specific training. Whatever path they choose, the range of courses offered is designed to avoid premature specialisation in one of the various branches of sociology.

Dependent on what they choose, students can familiarise themselves with multiple aspects of sociology or opt to specialise in just one or two branches of the discipline.

Teaching is focused mainly on key social issues: education, labor, urban policy, immigration, and culture.

**Programme website**

**CONTACT:**

David BERLINER

02 650 40 53

[david.berliner@ulb.ac.be](mailto:david.berliner@ulb.ac.be)

Département des  
Sciences sociales et  
des Sciences du  
Travail

### 3.4.3. The Swedish Model: Challenges for social work with elderly and disabled (EN)

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

This course is intended as a general introduction to the emergence and development of the Swedish welfare state with a focus on the welfare state's importance for social work.

The course consists of three parts. It consists of lectures and seminars. Bachelor courses in English at this department are only open for exchange students.

Exchange students attend the same course as master's students, but with a different syllabus and a different exam.

**Programme webpage**

**CONTACT:**

Eva MARKLUND

### 3.4.4. Communication and Intercultural Studies (MCIS)

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

**DESCRIPTION:**

This is an interdisciplinary programme offered by the Faculty of Philosophy via the UNESCO Chair in Interculturality, Good Governance, and Sustainable Development in partnership with the Universities of Fribourg (CH), Hamburg (D), Dortmund (D), Dijon (F), and Corte (F).

It is designed to respond to the needs of companies and organizations recruiting graduates interested in working in the communication sector in an era where dialogue across cultures is becoming increasingly important.

The curriculum is flexible, and it addresses students with an interest in the Humanities and Social Sciences, but with a variety of backgrounds.

It offers an excellent framework for cultural studies. The scholars lecturing in the programme are representative of diverse cultural and professional environments, which helps students increase their awareness of the intercultural nature of communication.

Courses are usefully complemented by case studies, as the programme has a strong orientation towards both an academically rigorous and practically relevant learning experience for the students.

**CONTACT:**

Conf. Cristian IFTODE,  
Faculty of Philosophy  
[cristian.iftode@filosofie.unibuc.ro](mailto:cristian.iftode@filosofie.unibuc.ro)

Prof. Romulus  
BRÂNCOVEANU  
Faculty of Philosophy  
[romulus.brancoveanu@filosofie.unibuc.ro](mailto:romulus.brancoveanu@filosofie.unibuc.ro)

Lilian CIACHIR  
Faculty of Philosophy  
[lilian.ciachir@filosofie.unibuc.ro](mailto:lilian.ciachir@filosofie.unibuc.ro)



The main learning outcomes achieved in the programme are refined communication skills, interpretative, and diplomatic skills to be applied in various intercultural contexts and working environments.

#### **More information about the programme**

### **3.4.5. Intercultural Management (MIM)**

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

#### **DESCRIPTION:**

This programme is organized by the UNESCO Chair in Interculturality, Good Governance and Sustainable Development (Faculty of Philosophy) in partnership with the Universities of Fribourg (CH), Hamburg (D), Dortmund (D), Dijon (F), and Corte (F).

Graduates of the programme are excellently prepared to develop a career in the middle- and top-management of international institutions and organizations. They are suited for careers in international institutions and organizations, both public and non-governmental, where leadership and management skills are applied in multicultural environments. They can successfully work as managers of cultural organizations, diplomats, (project) managers in the fields of arts, culture, and mass-media.

The flexibility of the programme also allows them to apply their intercultural management skills in other areas, as the curriculum has been developed in response to the rapidly changing requirements of a complex labor market.

#### **More details**

#### **CONTACT:**

Conf. Cristian IFTODE  
Faculty of Philosophy  
[cristian.iftode@filosofie.unibuc.ro](mailto:cristian.iftode@filosofie.unibuc.ro)

Prof. Romulus  
BRÂNCOVEANU  
Faculty of Philosophy  
[romulus.brancoveanu@filosofie.unibuc.ro](mailto:romulus.brancoveanu@filosofie.unibuc.ro)

Lilian CIACHIR  
Faculty of Philosophy  
[lilian.ciachir@filosofie.unibuc.ro](mailto:lilian.ciachir@filosofie.unibuc.ro)

## **3.5. Journalism and Information**

### **3.5.1. Media and refugee/migration flows**

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

#### **DESCRIPTION:**

The MSc in Media and Refugee / Migration Flows an intensive and interdepartmental postgraduate programme, taught in English at the National and Kapodistrian University in two (2) academic semesters and includes a Summer School.

#### **CONTACT**

Prof. George PLEIOS  
[gplios@media.uoa.gr](mailto:gplios@media.uoa.gr) +30  
6978130569

The programme via two specializations aims to provide students with interdisciplinary expertise on the contemporary presentation of the refugee/migration subject and to gain an in-depth understanding of related media coverage. It is designed for students aspiring to adapt skills and competencies on communication management for a career in “old” or “new” media within the public, private, or non-profit sector.

Graduates will be equipped with substantive academic knowledge on the social and political implications of cross-border refugee/migration flows, adapt critical research skills, and are able to improve their linguistic competencies.

**Our website**

NKUA Department of  
Communication and  
Media Studies 1  
Sophocleous Str., 105 59  
Athens

### 3.5.2. Media Studies: Keywords for the Present

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

Advanced level course in Cinema Studies. This course provides analytical tools for critically investigating contemporary media culture.

The teaching consists of lectures and seminars as well as screenings of films and other media material. It is recommended for exchange students and international free movers.

**Programme webpage**

**CONTACT:**

Anna-Sofia ROSSHOLM

### 3.5.3. MA Médias, développement, société (FR)

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

**DESCRIPTION:**

The Master “Médias, développement, société” of the Faculty of Journalism and Communication is taught entirely in French and aims to prepare Communication and journalists, professionals specialised in solidarity and sustainable development, especially in the ONG field, with special skills in developing regional and international projects and partnerships. French and Francophonie values as well as cultural and linguistic diversity approaches are at the core of our curricula.

For 5 years now, the “Médias, développement, société” Master programme is developing a Double Degree with the partner Master programme “Communication, humanitaire et solidarité” (ICOM, Université Lumière Lyon 2, France), allowing an exchange of up to five

**CONTACT**

Lect. univ. dr. Camelia  
CUȘNIR  
[camelia.cusnir@fjsc.ro](mailto:camelia.cusnir@fjsc.ro)  
Faculty of Journalism and  
Communication Studies

students per year from both University of Bucharest and University of Lyon 2.

The Master's curricula include courses on Digital Communication, ONG Communication and Sustainable Development Project Management, Communication, Human Resources, and Leadership but also on Media and Gender, Media Anthropology, Entrepreneurial Journalism, Journalism and sustainable development, Specialised Journalism. We count among our academic team both experienced, Emeritus teachers and researchers but also professional experts in media and communication.

Our Master is constantly integrating International students and is also receiving Erasmus students to attend the classes. We have developed longstanding partnerships with Agence universitaire de la Francophonie, which constantly support our master, but also with Institut Français de Roumanie, Union of Francophone Press, French Chamber of Commerce, and other professional and cultural entities.

**Programme webpage**

### 3.5.4. MA Media, Public Communication and Globalization

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

#### **DESCRIPTION:**

In a rapidly changing global environment, “Media, Public Communication and Globalization” provides the students with the knowledge and professional skills in various fields such as new technologies, advertising, visual communication, online branding strategies, media studies, and advertising. Students will have the opportunity to work and learn from experienced professionals in all these fields.

Our program enables an integrated model of English language public communication in order to give the students the opportunity to successfully tackle a dynamic labor market. Students will be oriented for internships in advertising, new technologies, audio-video communication, thus preparing them for a professional world undergoing an accelerated digitization process. In this respect, we propose the most recent theories, applications, and methods of communication sciences in the ongoing context of globalization.

The curriculum contains both basic disciplines of communication, such as Effective Communication Issues, Qualitative Research in Communication, Critical Media and Advertising Studies, and courses

#### **CONTACT**

Conf. univ. dr. Mădălina  
BUGA-MORARU

[madalina.moraru@fjsc.ro](mailto:madalina.moraru@fjsc.ro)  
Faculty of Journalism  
and Communication  
Studies

addressing the specificity of digital communication in the field of advertising. Some of the latter are Branding strategies and digital advertising, Visual rhetoric. An introduction, Anthropological perspectives on consumer's behavior, Globalization vs. adaptation in communication campaigns, New media and (New) Political Communication, etc.

**Programme webpage**

**Our Facebook page**

## 3.6. Administration and Law

### 3.6.1. MA in Specialised Public Law

**UNIVERSITY:** National and Kapodistrian University of Athens

**DESCRIPTION:**

The Greek-French Joint Master: "Specialised Public Law" (NKUA School of Law and University of Montesquieu-Bordeaux IV)

Courses in Greek and in French

#### CONTACT

Prof. Patrina  
PAPARIGOPOULOU  
[patrina@paparigopoulos.gr](mailto:patrina@paparigopoulos.gr)  
School of Law 45  
Akadimias Str.Athens  
10672

**Our website**

### 3.6.2. MA L.L.M. in International and European Legal Studies

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

**DESCRIPTION:**

Specializations:

- 1) Private Law & Business Transactions,
- 2) International and European Law

Courses in English, French, and German

#### CONTACT

Prof. Fotini PAZARTZIS  
[phpazart@law.uoa.gr](mailto:phpazart@law.uoa.gr)  
Stratopoulou  
302103688675 |School of  
Law 45 Akadimias Str.  
Athens 10672

**Our website**

### 3.6.3. MA in Specialised Public Law

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

**DESCRIPTION:**

The Greek-French Joint Master: “Specialised Public Law” (NKUA School of Law and University of Montesquieu-Bordeaux IV)

Courses in Greek and in French

**CONTACT**

Prof. Patrina  
PAPARIGOPOULOU  
[patrina@paparigopoulos.gr](mailto:patrina@paparigopoulos.gr)  
School of Law 45  
Akadimias Str. | Athens  
10672

**Our website**

### 3.6.4. Specialized Master in International Law (FR/EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

**DESCRIPTION:**

The Advanced LL.M in Public International Law aims to give specialised training in public international law. Courses are given in English or in French.

The students will be in the heart of Europe, home to multiple international representations. They will be trained by a highly qualified and dynamic teaching staff composed of academics and practitioners who have acquired internationally-renowned experience by acting as counsels before the International Court of Justice, as counsels for governments, embassies, international organisation.

**CONTACT**

François DUBUISSON  
[francois.dubuisson@ulb.ac.be](mailto:francois.dubuisson@ulb.ac.be)  
Département  
d'Enseignement du Droit  
02 650 45 53  
Faculté de Droit et de  
Criminologie  
Campus du Solbosch -  
CP 137  
Avenue F.D. Roosevelt,  
50, 1050 Bruxelles

Vaios KOUTROULIS  
Département  
d'Enseignement du Droit |  
02 650 34 04 |  
[vaios.koutroulis@ulb.ac.be](mailto:vaios.koutroulis@ulb.ac.be)  
Faculté de Droit et de  
Criminologie  
Campus du Solbosch -  
CP 137  
Avenue F.D. Roosevelt,  
50, 1050 Bruxelles

**Programme website**

### 3.6.5. Rights of the child. Interdisciplinary approach (FR/EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

#### CONTACT

François DUBUISSON

[francois.dubuisson@ulb.ac.be](mailto:francois.dubuisson@ulb.ac.be)

Département d'Enseignement du Droit

02 650 45 53

Faculté de Droit et de Criminologie

Campus du Solbosch - CP 137

Avenue F.D. Roosevelt, 50, 1050 Bruxelles

Vaios KOUTROULIS

Département d'Enseignement du Droit | 02 650 34 04 |

[vaios.koutroulis@ulb.ac.be](mailto:vaios.koutroulis@ulb.ac.be)

Faculté de Droit et de Criminologie

Campus du Solbosch - CP 137

Avenue F.D. Roosevelt, 50, 1050 Bruxelles

**Programme website**

### 3.6.6. Master of Law (LL.M.)

**UNIVERSITY:** UNIVERSITY OF TÜBINGEN

#### DESCRIPTION:

Applicants must have completed a degree in Law outside Germany. This course of study must have comprised at least 8 semesters and included the fields of private law, criminal law, and public law.

This study program also requires good knowledge of the German language – all classes are held in German.

You can find comprehensive, current information on the University of Tübingen LL.M. course on our home page (in German)

**Our webpage**

#### CONTACT

Prof. Dr. Martin  
GEBAUER

[Gebauer@jura.uni-Tuebingen.de](mailto:Gebauer@jura.uni-Tuebingen.de)

### 3.6.7. Master en droit international et europeen des affaires (FR)

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

#### DESCRIPTION:

This is a double LLM French-taught programme offered jointly by both the Faculty of Law of the University of Bucharest and the Paris I Pantheon-Sorbonne University. Students are consequently awarded

#### CONTACT

Rhoda SERBAN

both an LLM diploma from the University of Bucharest and a Master 2 diploma from the Sorbonne.

The programme is not restricted to students with legal backgrounds, being also open to those with an undergraduate degree in political sciences, economy, or administration. Lectures are delivered by professors from 14 French universities and are accompanied by tutorials allowing students to discuss the most challenging and diverse aspects of the presented topics.

Students benefit from a European and international perspective over numerous issues, such as Corporate Law, Intellectual Property, Banking Law, Human Rights, and Commercial Arbitration, and they also may be awarded various internships. This allows them to pursue professional careers in any jurisdiction and in any sector, public or private.

In order to accommodate students who are already employed, the lectures and tutorials are scheduled in the late afternoons or in the evenings. The programme involves extensive international cooperation and organises numerous international conferences.

#### **Programme website**

[info@collegejuridique.ro](mailto:info@collegejuridique.ro)  
[rhoda.serban@collegejuridique.ro](mailto:rhoda.serban@collegejuridique.ro)

Law College's  
Secretary General  
Faculty of Law, College  
Juridique d'Etudes  
Europeennes

### **3.6.8. International Arbitration (EN)**

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

#### **DESCRIPTION:**

The International Arbitration LLM programme is an English-taught programme that analyses both the Romanian procedural framework and the international regulations and rules of procedure applicable in a wide variety of business areas, benefitting from the valuable contribution of numerous professors who are also arbitration specialists.

Students have direct access to extensive and practical knowledge in one of the most important legal procedures used worldwide for dispute resolution.

As the number of international contracts and business acts continues to grow, so does the number of disputes arising from their interpretation and application. It is thus essential that all lawyers and legal advisers involved in international trade acts have a solid knowledge of international arbitration and dispute resolution. Judges are also often tasked with the recognition and application of foreign

#### **CONTACT**

Professor Flavius  
Antoniou BAIAS

[informatii.drept@drept.unibuc.ro](mailto:informatii.drept@drept.unibuc.ro)  
[flavius-  
antoniou.baia@drept.unibuc.ro](mailto:flavius-antoniou.baia@drept.unibuc.ro)



arbitral awards, so they must be properly trained in the various aspects invoked by the parties.

The programme seeks to analyze the numerous problems posed by international arbitration in a variety of fields (commercial contracts, investments, constructions, intellectual property, and even sport) by offering the necessary knowledge at a superior level.

**More details**

### 3.6.9. European Economic Law

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

**DESCRIPTION:**

Master program in European Economic Law; MA;  
German language;  
to be authorized.

## 4. Natural and Physical Sciences, Mathematics

### 4.1. Biology

#### 4.1.1. Biology of Organisms and Ecology, Focus Erasmus Mundus Joint Master Degree in Tropical Biodiversity and Ecosystems (TROPIMUNDO) (FR/EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

##### DESCRIPTION:

Organism biology and ecology cover the entire diversity of life—bacteria, protists, fungi, animals, and plants—, but also the relationship between organisms, the environment, and humans.

Organism biologists are, all at once, witnesses, advocates, scholars, and managers of the biological heritage of our planet, which is currently under serious threat from human activities. Their training should enable them to approach the living world from different perspectives.

This is why the Master in Organism Biology and Ecology teaches students to handle various experimental tools of analysis and observation: morphological, physiological, and molecular analysis techniques, statistical methods and modeling, management, cultivation or breeding of organisms, etc.

The program offers a comprehensive overview of living organisms, from the molecular scale to the scale of entire communities and ecosystems.

The skills taught are structured into four main categories:

- 1) Establish, maintain, and develop knowledge in the biological sciences.
- 2) Provide scientific expertise for problem-solving.
- 3) Develop and implement independent scientific research projects.
- 4) Communicate context-appropriate and audience-appropriate language.

Skills taught are structured in four main directions:

- 1) To establish, maintain and develop knowledge in the biological sciences; 2) To provide scientific expertise in problem-solving; 3) To

##### CONTACT

Yves ROISIN

[yves.roisin@ulb.ac.be](mailto:yves.roisin@ulb.ac.be)

Unité d'Enseignement  
de la Biologie des  
Organismes-  
Présidence  
02 650 45 12  
Faculté des Sciences  
Campus du Solbosch -  
CP 160/12 | Avenue  
F.D. Roosevelt, 50,  
1050 Bruxelles

develop and implement independent scientific research projects; 4) To communicate in a language appropriate to the context and audience.

**Programme website**

## 4.1.2. Biology of Organisms and Ecology, Research Focus (FR/EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

**DESCRIPTION:**

Organism biology and ecology covers the entire diversity of life—bacteria, protists, fungi, animals, and plants— but also the relationship between organisms, the environment, and humans. Organism biologists are, all at once, witnesses, advocates, scholars, and managers of the biological heritage of our planet, which is currently under serious threat from human activities. Their training should enable them to approach the living world from different perspectives.

This is why the Master in Organism Biology and Ecology teaches students to handle various experimental tools of analysis and observation: morphological, physiological, and molecular analysis techniques, statistical methods and modeling, management, cultivation or breeding of organisms, etc. The program offers a comprehensive overview of living organisms, from the molecular scale to the scale of entire communities and ecosystems.

The skills taught are structured into four main categories:

- 1) Establish, maintain, and develop knowledge in the biological sciences.
- 2) Provide scientific expertise for problem-solving.
- 3) Develop and implement independent scientific research projects.
- 4) Communicate context-appropriate and audience-appropriate language.

Skills taught are structured in four main directions:

- 1) To establish, maintain, and develop knowledge in the biological sciences.
- 2) To provide scientific expertise in problem-solving.
- 3) To develop and implement independent scientific research projects.
- 4) To communicate in a language appropriate to the context and audience.

**Programme website**

**CONTACT**

Yves ROISIN

[yves.roisin@ulb.ac.be](mailto:yves.roisin@ulb.ac.be)

Unité d'Enseignement  
de la Biologie des  
Organismes-  
Présidence  
02 650 45 12  
Faculté des Sciences  
Campus du Solbosch -  
CP 160/12 | Avenue  
F.D. Roosevelt, 50,  
1050 Bruxelles

### 4.1.3. Bio-informatics and Modelling, Research Focus (FR/EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

#### DESCRIPTION:

The response to current biological problems—from genome sequencing to the study of biomolecular structures and the analysis of dynamical cellular processes—increasingly relies on the complementarity between experimental and theoretical approaches, which allows biological systems to be analysed, modeled, and simulated on computers from the molecular and cellular scales up to entire organisms and even populations.

To meet this trend, the programme trains students from a variety of academic backgrounds on computational genomics and proteomics, structural bioinformatics, and modeling of dynamical processes.

Graduates of this Master's are able to use and design bioinformatics and modeling tools to address all aspects of a biological question in close collaboration with experimental researchers.

**Programme website**

#### CONTACT

Didier GONZE

[dgonze@ulb.ac.be](mailto:dgonze@ulb.ac.be)

Unité d'Enseignement de  
la Chimie-Présidence  
02 650 57 30  
Faculté des Sciences  
Campus de la Plaine - CP  
231 | Boulevard du  
Triomphe, ACC.2, 1050  
Bruxelles

### 4.1.4. Systems Theory and Resilience Thinking (EN)

**UNIVERSITY:** STOCKHOLM UNIVERSITY

#### DESCRIPTION:

This course introduces qualitative and quantitative approaches in system theory and shows how they can be used to analyze social-ecological systems and explored from both a theoretical and a practical perspective.

The course also discusses the key principles in resilience theory for understanding the reorganization of structures and processes that form a social-ecological system, called regime change.

The course will consist of lectures, seminars, and teamwork.

**Programme webpage**

#### CONTACT:

Jessica SLOVE  
DAVIDSON

### 4.1.5. Master of Science: Inland Water Quality Assessment

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

**DESCRIPTION:**

Any query on the procedure for admission to this Master's degree should be addressed to [posgrado.official@uam.es](mailto:posgrado.official@uam.es)

(tfnos. +(34) 914972645, +(34) 914975737)

**COORDINATOR:**

Elvira PERONA

[informacion.master.aguascontinentales@uam.es](mailto:informacion.master.aguascontinentales@uam.es)

914978175,  
914978181

**Programme webpage**

### 4.1.6. Masters in Engineering: Bioinformatics and Computational Biology

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

**DESCRIPTION:**

Multidisciplinary programme that involves professors and researchers from several Schools of Universidad Autónoma de Madrid (Polytechnic, Medicine and Sciences) and from external top research centers such as Centro Nacional de Investigaciones Oncológicas (CNIO), Centro Nacional de Biotecnología (CNB), Centro de Biología Molecular Severo Ochoa (CBMSO) y Barcelona Supercomputing Center (BSC).

The Master's is highly practical, with most subjects alternating theory and programming assignments during lectures.

**1 year 72 ECTS**

Any query on the procedure for admission to this Master's degree should be addressed to [posgrado.official@uam.es](mailto:posgrado.official@uam.es)

(tfnos. +(34) 914972645, +(34) 914975737)

**Programme webpage**

**More details**

**COORDINATORS:**

Gonzalo MARTÍNEZ MUÑOZ  
Escuela Politécnica Superior

Ramón DÍAZ URIARTE  
Facultad de Medicina

**CONTACT DATA:**

[informacion.master.bioinformatica@uam.es](mailto:informacion.master.bioinformatica@uam.es)

### 4.1.7. Bioinformatik/Bioinformatics

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

**DESCRIPTION:**

The Master's program in bioinformatics offers a wide choice of courses in computer science and life sciences and allows students to choose their subjects according to interest.

Students will attend lectures, seminars, and project lab courses under the supervision of scientists who introduce them to basic and applied research and current topics in bioinformatics.

As interdisciplinarity is an important aspect, the Master's thesis will be supervised by both a professor of bioinformatics or computer science and a professor or faculty member of the life sciences.

**Programme webpage**

**CONTACT**

Prof. Dr. Kay NIESELT

[kay.nieselt@uni-Tuebingen.de](mailto:kay.nieselt@uni-Tuebingen.de)  
+49-7071-2978981  
Sand 14, 72070  
Tübingen

### 4.1.8. Evolution and Ecology

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

**DESCRIPTION:**

The Master's Program in Evolution and Ecology offers training in the study of organisms and how they deal with a rapidly changing world. Our research and teaching aims at understanding the causes and consequences of biological change over time and space.

We have a strong conceptual background in organismal field biology and test our working hypotheses using observations and experiments under natural and semi-natural conditions. This also requires a range of laboratory and theoretical approaches. Consequently, our MSc students often change between their rubber boots and a lab coat in the course of their project.

The curriculum teaches the skills enabling graduates to make informed contributions to a sustainable future.

Graduates are qualified for a Ph.D. in our research school EVEREST or similar international research institutions for jobs in environmental impact evaluation, conservation policy, experimental design and statistics, ecotoxicology, bionics, and scientific collections.

**Programme webpage**

**CONTACT**

Dr. Matthias STOLL

+49-7071-29-76860  
[stoll@biologie.uni-Tuebingen.de](mailto:stoll@biologie.uni-Tuebingen.de)  
Auf der Morgenstelle  
28 72076 Tübingen

### 4.1.9. Molecular Cell Biology and Immunology

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

**DESCRIPTION:**

The M.Sc. programme, Molecular Cell Biology, and Immunology (MCBI), provides instruction on the complex regulation of cellular and immunological processes in humans and animals.

The focus of this area of specialization is on the in-depth scientific investigation of the molecular mechanisms that regulate the function and behavior of cells and, if defective, lead to disease. The experimental subjects will be model organisms, such as *Drosophila* or *Caenorhabditis*, and cell cultures from single animal or human cells.

The experimental results will provide insight into, e.g., cell functions in cell clusters, cell differentiation, and organ development. The immunological processes will be examined with particular reference to disease-related malfunctions, as they occur in cases of immunodeficiency or in the context of tumor immunology.

The course language is English. Few individual required elective courses are conducted in German.

**Programme webpage**

**CONTACT**

Dr. Matthias STOLL

+49-7071-29-76860

[stoll@biologie.uni-Tuebingen.de](mailto:stoll@biologie.uni-Tuebingen.de)

Auf der Morgenstelle  
28 72076 Tübingen

### 4.1.10. Neurobiology

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

**DESCRIPTION:**

The M.Sc. programme, Neurobiology, offers students in-depth instruction in the neurosciences, the opportunity to acquire wide-ranging skills in current methods of neuroscientific research, and the training to address and solve scientific problems in this area independently.

The focus of the program is on the integrative neurosciences of higher vertebrates.

Course languages are English and German, depending on the language capabilities of the participants.

**Programme webpage**

**CONTACT**

Dr. Matthias STOLL

+49-7071-29-76860

[stoll@biologie.uni-Tuebingen.de](mailto:stoll@biologie.uni-Tuebingen.de)

Auf der Morgenstelle  
28 72076 Tübingen



## 4.1.11. Cellular and Molecular Plant Biology

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

### DESCRIPTION:

The M.Sc. programme, Cellular and Molecular Biology of Plants, provides students with an understanding of the manifold life processes in plants at biochemical, molecular, cellular, and physiological levels.

The curriculum covers the theoretical explanatory approaches, principles, and methods in the life sciences as well as the distinctive features of the molecular life processes in plants. The focus of the course is on the in-depth scientific investigation of the molecular mechanisms that control the processes of plant development and adaption to biotic and abiotic environments and enable the interplay of the developmental and adaptive processes.

The course language is English. Some individual required elective courses are conducted in German.

**Programme webpage**

### CONTACT

Dr. Matthias STOLL

+49-7071-29-76860

[stoll@biologie.uni-Tuebingen.de](mailto:stoll@biologie.uni-Tuebingen.de)

Auf der Morgenstelle  
28 72076 Tübingen

## 4.1.12. Bioinformatics MSc

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

### DESCRIPTION:

The Master's degree in bioinformatics encompasses courses in bioinformatics, computer science, and life sciences. The main objective of this degree course is to enable graduates to solve biological problems using high throughput technologies and bioinformatics methods in an interdisciplinary team. Students are taught efficient and advanced methods of analysis, visualization, and mass data storage, with the focus on a hands-on approach and on research.

The wide variety of subjects offered in Tübingen includes genomics and transcriptomics, protein and drug design, microbiome analysis, and systems biology. The degree course offers three variants: variant A for students with a Bachelor's degree in bioinformatics; variant B for biologists and other life scientists, variant C for computer scientists.

Most of the courses are held in English, in variant A it is possible to complete the entire degree course in English.

**Programme webpage**

### CONTACT

Prof. Dr. Kay NIESELT

+49 - 7071-29-78981

[kay.nieselt@uni-Tuebingen.de](mailto:kay.nieselt@uni-Tuebingen.de)

### 4.1.13. Applied Bioinformatics for Life Science (EN)

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

**DESCRIPTION:**

Applied Genomics & Transcriptomics;  
Bioinformatics of nucleic acids Molecular dynamics;  
Bioinformatics applied to drugs Pharmacogenomics;  
Bioinformatics of proteins.

Applications are based on CV's and interviews.

**CONTACT**

Prof. Dr. Dan Florin  
MIHĂILESCU

[dan.mihailescu@bio.unibuc.ro](mailto:dan.mihailescu@bio.unibuc.ro)

[d.f.mihailescu@gmail.com](mailto:d.f.mihailescu@gmail.com)

Faculty of Biology,  
Department of Anatomy,  
Anima Physiology and  
Biophysics  
+4021.3181569

**Programme webpage**

### 4.1.14. Applied biochemistry and molecular biology

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

**DESCRIPTION:**

This program aims to provide a framework to deepen the advanced concepts of biochemistry and molecular biology and to develop interdisciplinary and integrative abilities in order to prepare competent professionals in the field of applied biochemistry and molecular biology with skills in the use of modern methods and techniques of biochemistry and molecular biology, as well as the collection, analysis, and interpretation of data.

A flexible curriculum in line with the modern requirements of society is developed.

This program addresses to foreign students who obtained their bachelor (BSc) degree in Biology, Biochemistry, Biotechnologies, Medicine, Ecology, Chemistry, Veterinary medicine, Pharmacy, Food Control, and Expertise, etc.

**Programme webpage**

**COORDINATORS:**

Prof Dr. Anca  
DINISCHIOTU  
[adin@bio.unibuc.ro](mailto:adin@bio.unibuc.ro)  
[dinischiotu@yahoo.com](mailto:dinischiotu@yahoo.com)

Prof. Dr. Marieta  
COSTACHE  
[marietacostache@gmail.com](mailto:marietacostache@gmail.com)  
[marietacostache@yahoo.com](mailto:marietacostache@yahoo.com)  
[costache@bio.unibuc.ro](mailto:costache@bio.unibuc.ro)  
Department of  
Biochemistry and  
Molecular Biology  
+4021318.15.75/105

## 4.2. Biochemistry

### 4.2.1. Structural Biochemistry (EN)

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

This course deals with concepts in structural biochemistry, both in terms of understanding the most important protein structures on a molecular level, as well as the most important techniques for determining three-dimensional structure at atomic resolution.

**CONTACT:**

Ville KAILA

The course includes both theoretical and practical work.

The course is composed of: Lectures; Labs; Seminars; Group exercises; Presentations.

**Programme webpage**

### 4.2.2. Biochemistry MSc

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

**DESCRIPTION:**

The University of Tübingen, home to Germany's oldest biochemistry degree, introduces a new, flexible, and research-focused Master of Biochemistry (MSc). The modular 2-year degree in English will provide you with knowledge of the latest developments in biochemical, molecular, and cellular biology, as well as with cutting edge laboratory and communication skills. Come join us in Tübingen at one of Germany's top universities and an institute that counts Nobel laureates like Hartmut Michel among its alumni.

**CONTACT**

Prof. Gabriele DODT

[gabriele.dodt@uni-Tuebingen.de](mailto:gabriele.dodt@uni-Tuebingen.de)

+49-7071-29-73349

What sets this program apart is its broad approach. It offers you an in-depth look at the full scope of molecular life science without excluding subtopics as in more specialized degrees like molecular medicine or neuroscience. At the same time, the Master of Biochemistry allows you to dig deeper in areas of your choice.

The course is highly modular and adaptable to your personal preferences. Few elements of the degree are fixed, and there is a wealth of options. Topics range from biochemical, structural, cellular, and molecular biology to neuroscience, cell signaling, plant physiology as well as cancer biology.

We have a strong focus on practical skills and research. You will be given the opportunity to work in several different labs to hone your

skills and develop your preferences. Unlike other degrees, we allow you to choose your labs freely.

You are not limited to Tübingen, and our students regularly do rotations all over the world.

**Programme webpage**

## 4.3. Chemistry

### 4.3.1. Advanced Organic Synthesis (EN)

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

The advanced course in organic synthesis provides a deep understanding of the reactivity and properties of organic compounds and covers modern synthetic methods, stereoselective synthesis, and mechanistic understanding.

The education consists of lectures, exercises, presentations, and practical laboratory work.

Full-time studies correspond to an average of 40 hours weekly, which include: on-campus: lectures, seminars, laboratory experiments  
off-campus: self-study, exercises, laboratory report preparation.

**Programme webpage**

**CONTACT:**

Pher ANDERSSON

### 4.3.2. Theoretical Chemistry and Computational Modelling

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

**DESCRIPTION:**

Available for Erasmus Mundus program

**2 years 120 ECTS**

Any query on the procedure for admission to this Master's degree should be addressed to [posgrado.official@uam.es](mailto:posgrado.official@uam.es)

(tfnos. +(34) 914972645, +(34) 914975737)

**Programme webpage**

**COORDINATOR:**

Sergio DÍAZ-TENDERO

914973857-914973851  
[informacion.master.quimica@uam.es](mailto:informacion.master.quimica@uam.es)  
Department of Chemistry.  
C-9-606. UAM. |  
Cantoblanco. 28049  
Madrid. Spain

### 4.3.3. Chemistry of Advanced Materials (MSc) (EN)

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

#### **DESCRIPTION:**

The master of science Chemistry of Advanced Materials is an interdisciplinary programme taught entirely in English. It is designed for both international and Romanian students who have earned a bachelor's degree in chemistry, physics, biology, or other programmes related to synthesis, characterization, and applications of materials.

The structure of this master deals with modern, innovative materials focusing on the control of their properties at atomic/molecular scale. It is highly orientated for application and strongly connected to technology.

*Curriculum:* Topics include nanomaterials, micro-, and nanostructured polymeric materials, characterization of solid materials, the chemistry of liquid crystals, catalytic materials, polynuclear complexes, and molecular materials, physical-chemistry of solid-state materials, chemical sensors and biosensors, and advanced inorganic solids as clusters, polymers, and inorganic rings chemistry.

Courses and practical activities especially focus on basic knowledge in the synthesis and characterization of materials. On this basis, the programme is sub-structured in chapters referring to Molecular Materials, Nanomaterials, Catalytic Materials, and Biosensors.

To reach the scope, the Faculty of Chemistry of the University of Bucharest has acquainted specialists in all these directions.

Also, the laboratories are well equipped with a high-performance apparatus, which can ensure very good student training.

#### **CONTACT**

Prof. Dr. habil. Simona  
COMAN

[simona.coman@chimie.unibuc.ro](mailto:simona.coman@chimie.unibuc.ro)

Faculty of Chemistry  
+40769519264

#### **Faculty of Chemistry - master's admissions**

#### **Programme details**

#### **Study in Romania details**

#### **More details (Ro)**

### 4.3.4. Chemistry of Drugs and Cosmetic Products (MSc) (RO)

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

#### **DESCRIPTION:**

This master cycle represents an adequate response to requirements issued by the occupational market. Its major aim is the fundamental knowledge transfer and formation of the practical expertise

#### **CONTACT**

(behavioral and experimental) contributing to the formation of specialists involved in rigorously regulated domains (pharmaceutic and cosmetic industries).

Based on the principle of interdisciplinarity, proportional inputs from all domains of the chemical knowledge, and not only (pharmacy, physics, and biology were included) were considered: organic chemistry (synthesis and isolation of active ingredients, pharmacologic action); analytical chemistry (separation and assay of target compounds, structural characterization, and overall quality control); physical chemistry of drugs (pharmacokinetics, membrane transfer processes, correlations structure/activity/efficacy, and transport through colloidal systems); insights on catalytic synthesis principles and fundamentals in the pharmaceutical technology; a concise presentation of inorganic and organo-metallic compounds used as active principles in pharmaceutical and cosmetic products, microbiology and parasitology, as well as hematology and hemostasis.

For each of the above-mentioned study directions, the impact and connections with the features of the strict regulation (i.e., GMP, GLP, GCP overlaid to ISO ISO/CEI 17025/2005 rules) were included. These major topics were condensed in a course referring to quality management, control, and assurance.

### Study in Romania

#### Programme details

#### Brief presentation

## 4.3.5. Biomolecules (MSc) – Romanian

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

#### **DESCRIPTION:**

The master's programme in BIOMOLECULES is multidisciplinary, being organized at the crossroads of chemical, biological, physical, and computational sciences.

The programme is research-oriented with interest in both fundamental and application-driven research. Students are trained in state-of-the-art techniques ranging from advanced methodologies in biochemistry, molecular biology, genomics, biophysics, bioinorganic and bioorganic chemistry, biosensors, modeling of biochemical processes, biocompatible polymers, advanced techniques of biomolecule characterization.

Prof. Dr. Andrei  
MEDVEDOVICI

Faculty of Chemistry  
[andrei.medvedovici@chimie.unibuc.ro](mailto:andrei.medvedovici@chimie.unibuc.ro)

#### **CONTACT**

Ileana C. FARCAȘANU

[ileana.farcasanu@chimie.unibuc.ro](mailto:ileana.farcasanu@chimie.unibuc.ro)

Assoc. Prof. of  
Biochemistry, Dr. habil.  
Faculty of Chemistry |

Major laboratories in this institution will also provide research training. The programme prepares students for a Ph. D program and a career in university or public research laboratories. It also prepares students for applied research in biotechnology, the medical and pharmaceutical industry, food industry.

Complementary training can also be obtained in the legal aspects of biotechnology, intellectual property, and ethics.

### **Programme presentation**

## **4.4. Environment**

### **4.4.1. Environmental Risk Management (EN)**

**UNIVERSITY:** STOCKHOLM UNIVERSITY

#### **DESCRIPTION:**

During this course, the students will reflect on decision-making processes relevant for the risk management of four major environmental challenges: climate, air pollution and health, chemicals, and water management.

#### **CONTACT:**

Magnus  
BREITHOLTZ

Course includes lectures, seminars, and exercises.

### **Programme webpage**

### **4.4.2. Applied Environmental Geoscience (AEG) MSc**

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

#### **DESCRIPTION:**

"Applied & Environmental Geoscience" (AEG) is an international research-oriented study program focusing on the evaluation and solution of environmental problems. Special emphasis is placed on problems in the subsurface, such as the pollution of drinking water supplies, the non-sustainable use of natural resources, and the impact of climate and land-use change on soil and water quality.

#### **CONTACT**

Dr. Peter MERKEL  
[aeg.msc@uni-Tuebingen.de](mailto:aeg.msc@uni-Tuebingen.de)  
+49-7071 - 29-78921

Finding solutions to such issues requires a comprehensive understanding of the physical, chemical, and biological mechanisms under natural conditions. AEG offers an approach to these mechanisms based on an in-depth knowledge of the classical natural sciences combined with the utilization of modern technology. The



study programme covers the essential fields of physical and contaminant hydrogeology, environmental modeling, and environmental and aquatic chemistry.

Three areas of specialization allow an individual study to focus on the following:

- Hydrogeology
- Environmental Chemistry and Environmental Microbiology
- Environmental Physics and Environmental Modelling

**Programme webpage**

## 4.5. Geography, Earth/Natural Sciences

### 4.5.1. Master in Geography, Focus: Erasmus Mundus Urban studies (EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

#### **DESCRIPTION:**

Interested in the transformations of cities and urban policies? In projects dedicated to mobility and land use planning? In the international division of labor and in company locations? In geopolitical issues and development inequalities? In cartography? By analyzing geographical spaces, their structures, and their evolution, a lot may be learned on these questions, and new ways to manage these territories and new development models may be conceived.

This is the main goal of the Master in Geography: to give students the ability to analyse, interpret, and represent spatial data on a map, from the scale of a single neighborhood to that of a city, a region, a country, a continent, and even the entire world-system.

The "Didactique" programme specifically trains future teachers of secondary education in order to prepare them to arouse students' interest vis-à-vis the importance of geographic issues for understanding the world and practicing democratic citizenship.

The 4Cities programme adds a European perspective to the field of Urban Studies: it wants to break up and to open the national perspective on urban problems. The growing importance of globalization and the shift towards a world of flows calls for a new approach in important fields of urban policy like culture, economy, planning.

The strength of this master programme results from the integration of analytical skills typical for the (social-)sciences and the more design-oriented skills of planning and architecture. The need for

#### **CONTACT**

Jean-Michel DECROLY

[jean-michel.decroly@ulb.ac.be](mailto:jean-michel.decroly@ulb.ac.be)  
Service d'Enseignement  
en Sciences et Gestion  
du Tourisme  
02 650 68 19  
Faculté des Sciences  
Campus du Solbosch -  
CP 130/03  
Avenue F.D. Roosevelt,  
50, 1050 Bruxelles

interdisciplinary knowledge and skills, as opposed to the more narrowly defined academic disciplines, is strong.

Please see [www.4Cities.eu](http://www.4Cities.eu) for a full description of the programme's mission statement, format, and content.

**Programme website**

## 4.5.2. Master in Geography, Focus: Urban studies (ULB-VUB) (EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

### DESCRIPTION:

Interested in the transformations of cities and urban policies? In projects dedicated to mobility and land use planning? In the international division of labor and in company locations? In geopolitical issues and development inequalities? In cartography? By analysing geographical spaces, their structures, and their evolution, a lot may be learned on these questions, and new ways to manage these territories and new development models may be conceived.

This is the main goal of the Master in Geography: to give students the ability to analyse, interpret, and represent spatial data on a map, from the scale of a single neighborhood to that of a city, a region, a country, a continent, and even the entire world-system.

The "Didactique" programme specifically trains future teachers of secondary education in order to prepare them to arouse students' interest vis-à-vis the importance of geographic issues for understanding the world and practicing democratic citizenship.

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Please see [www.4Cities.eu](http://www.4Cities.eu) for a full description of the program's mission statement, format, and content.

**Programme website**

### CONTACT

Jean-Michel DECROLY

[jean-michel.decroly@ulb.ac.be](mailto:jean-michel.decroly@ulb.ac.be)  
Service d'Enseignement  
en Sciences et Gestion  
du Tourisme  
02 650 68 19  
Faculté des Sciences  
Campus du Solbosch -  
CP 130/03  
Avenue F.D. Roosevelt,  
50, 1050 Bruxelles

### 4.5.3. High Energy Astrophysics (EN)

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

The goal of this course is to provide basic knowledge about high-energy processes in the Universe and how these can be studied both theoretically and observationally.

Instructions are given in the form of lectures and exercises. Participation in both lectures and exercises is mandatory.

**Programme webpage**

**CONTACT:**

Magnus AXELSSON

### 4.5.4. The Geoscientific Method (EN)

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

The course examines the historical and philosophical underpinnings of geosciences. We use a historical framework to explore the components and the evolution of the modern scientific method.

The course consists of lectures and exercises. Seminars may occur. Participation in exercises and in any associated integrated instruction is compulsory.

**Programme webpage**

**CONTACT:**

Patrick CRILL

### 4.5.5. Landscape Ecology - Theory and Design (EN)

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

Within the course in landscape ecology, you will study how landscape changes affect ecosystems and species distributions. We especially emphasize the conservation of species diversity in changing environments. Instruction consists of lectures, field trips, seminars, exercises, and project work.

The course is given in English if non-Swedish speaking students attend the course.

**Programme webpage**

**CONTACT:**

Sara COUSINS

### 4.5.6. Meteorology I (EN)

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

The course applies the laws of physics and chemistry to understand the atmosphere's structure, composition, and energy balance. The teaching consists of lectures, exercises, and home projects.

**Programme webpage**

**CONTACT:**

Kristofer DÖÖS

### 4.5.7. Master of Arts; Urban studies Four Cities

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

**DESCRIPTION:**

4CITIES is a two-year master program organized in three tracks: Classical, Research, and Practice. All three tracks follow a shared core curriculum in the first year, with the first semester spent in Brussels and the second in Vienna. Classical Track students continue to Copenhagen and Madrid for a second year of shared coursework.

**2 years 1200 ects**

Any query on the procedure for admission to this Master's degree should be addressed to [posgrado.official@uam.es](mailto:posgrado.official@uam.es) (tfnos. +(34) 914972645, +(34) 914975737)

**Our website**

**How to apply**

**CONTACT**

Stefan DE CORTE  
International Coordinator  
4CITIES

Elena SOLONINA  
Assistant International  
Coordinator 4CITIES  
[info@4cities.eu](mailto:info@4cities.eu)

### 4.5.8. Applied Geophysics (EN)

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

**DESCRIPTION:**

The master in Applied Geophysics Degree program resulted from the adaptation of the academic educational process to the evolutions and challenges in scientific research and industrial-applicative activities in the field of Geosciences. During the last years, the educational activities related to this master's program were permanently adjusted and refined for allowing the graduates to respond rapidly and in a highly-qualified manner to the demands of the national and international labor market.

This program aims to provide the advanced skills required for a fast and successful insertion into geophysical-geological companies or

**CONTACT**

Conf. dr. Bogdan  
NICULESCU  
[bogdan.niculescu@gg.unibuc.ro](mailto:bogdan.niculescu@gg.unibuc.ro)  
Faculty of Geology and  
Geophysics

Lucian PETRESCU  
[lucian.petrescu@gg.unibuc.ro](mailto:lucian.petrescu@gg.unibuc.ro)

research institutes, and it gathers the majority of disciplines currently in high demand in the Applied Geophysics domain.

Faculty of Geology and  
Geophysics

The main fields of study are: advanced geophysical prospecting methods (seismic, gravity, magnetic, electric, and electromagnetic), geophysical investigation of exploration/production wells, and the integrated interpretation of geophysical data for the identification and characterization of solid and fluid useful mineral deposits and/or accumulations. Another educational component is represented by advanced topics in the fields of fundamental geophysical research, such as crustal and mantle geodynamics, active and passive continental margins, etc.

An important task of this master program also consists, in providing competitive skills and state of the art theoretical and practical knowledge to foreign students who target an immediate enrolment into industry and/or advanced scientific research in the domains of Applied Geophysics. This educational direction has a strong tradition and continuity within the academic curriculum of the Faculty of Geology and Geophysics, and it is unique in Romania and one of the few of this kind in Central and Eastern Europe.

## 4.6. Physics

### 4.6.1. Machine Learning for Physicists and Astronomers (EN)

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

Machine learning is one of the fastest-growing and most dynamic areas of modern physics research and data application.

**CONTACT:**

Åsa LARSON

This course gives an introduction to the core concepts, theory, and tools of machine learning as required by physicists addressing practical data analysis tasks. The teaching consists of lectures, group education, and supervision of the project.

**Programme webpage**

## 4.6.2. Master of Science: Theoretical Physics

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

### DESCRIPTION:

Specialization in Elementary Particles and Cosmology / Specialization in Astrophysics and Physics of the Cosmos.

All subjects taught in English except 32564 (Formación de Estrellas y Planetas).

Any query on the procedure for admission to this Master's degree should be addressed to [posgrado.official@uam.es](mailto:posgrado.official@uam.es) (tfnos. +(34) 914972645, +(34) 914975737)

**1 year 60 ECTS**

**Programme webpage**

### COORDINATOR:

Juan GARCÍA-BELLIDO CAPDEVILA

[informacion.master.fisicatomica@uam.es](mailto:informacion.master.fisicatomica@uam.es)

Department of Theoretical Physics Module 15, Faculty of Sciences, Universidad Autónoma de Madrid, Cantoblanco, 28049, Madrid  
914974880 | 914973936

## 4.6.3. Master of Science: Condensed Matter Physics and Biological Systems

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

### DESCRIPTION:

The ultimate aim of the Master in Physics of Condensed Matter and Biological Systems is training future researchers of excellence in the areas of knowledge related to the program.

The Master has a strong multidisciplinary character and offers two specializations: Nanophysics and Biophysics.

Any query on the procedure for admission to this Master's degree should be addressed to [posgrado.official@uam.es](mailto:posgrado.official@uam.es) (tfnos. +(34) 914972645, +(34) 914975737)

**1 year 60 ECTS**

**Programme webpage**

### MASTER COORDINATOR:

Enrique VELASCO

### COORDINATOR OF NANOPHYSICS SPECIALIZATION:

Francesca MARCHETTI  
Coordinator of Biophysics specialization: Raúl GUANTES  
E-mail address:  
[coordinador.master.fmcsb@uam.es](mailto:coordinador.master.fmcsb@uam.es)

## 4.6.4. Master of Science: Molecular Nanoscience and Nanotechnology

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

### DESCRIPTION:

The Master involves scientific-technological areas of current interest such as Molecular Electronics, Molecular magnetism, Supramolecular Chemistry, Surface Physics, Molecular Materials Science, or Medical Physics. The molecular approach is a specific characteristic unique to this Master, which gives it added value as it is in the molecular region of Nanoscience that the experience of chemists and biologists in the design and auto-assembly of molecules is complemented with that of Physicists in the study and handling of nanoobjects at nanometric scale.

Duration: Two academic years. 16-20 months on a route of 96 credits or one of 120 credits

ECTS credits: 96-120

No. of places: 100

Any query on the procedure for admission to this Master's degree should be addressed to [posgrado.official@uam.es](mailto:posgrado.official@uam.es)

(tfnos. +(34) 914972645, +(34) 914975737)

**Programme webpage**

**More details**

### COORDINATOR:

Tomás Torres CEBADA

[coordinador.master.nanociencia@uam.es](mailto:coordinador.master.nanociencia@uam.es)

914 974 151

Fax: 914 973 966 |

[informacion.master.nanociencia@uam.es](mailto:informacion.master.nanociencia@uam.es)

Department of Organic Chemistry | (C-I)

Universidad Autonoma de Madrid.

28049-Madrid.

## 4.6.5. Master of Science: Nuclear Physics

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

### DESCRIPTION:

1 Year 60 ECTS: Bilingual Master's Program: 24 ECTS in English, 36 ECTS in Spanish

Any query on the procedure for admission to this Master's degree should be addressed to [posgrado.official@uam.es](mailto:posgrado.official@uam.es)

(tfnos. +(34) 914972645, +(34) 914975737)

**More details**

**Programme web page**

### COORDINATOR:

Tomás Rodríguez FRUTOS

[informacion.master.fisicanuclear@uam.es](mailto:informacion.master.fisicanuclear@uam.es)

Department of Theoretical Physics



## 4.6.6. Astro and Particle Physics MSc

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

### DESCRIPTION:

The Master of Science Programme in Astro and Particle Physics is an international research-oriented two-year Master programme established by the Kepler-Center of the University of Tübingen.

The new Master programme connects science from the fields of particle physics, astrophysics, and cosmology and combines different disciplines in experimental and theoretical physics, astronomy, and astrophysics.

The Master-Programme is a 2 year consecutive study with a modular structure where in the first year, the students have to attend lectures, seminars, and lab work consisting of 60 ECTS credit points. In the first term, all students have to take two basic introductory modules Astronomy & Astrophysics and Particle Physics, consisting of lectures and exercises, which lay the foundations for all students.

These are augmented by an obligatory seminar and lab work. In the second term, students can choose modules from a variety of different topics. In the second year, the students will begin with the scientific work on a research topic of their choice in the areas of the Kepler-Center and finally write their Master Thesis, all together again 60 CP (30 for acquiring research-oriented skills and 30 for the Thesis).

**Programme webpage**

### CONTACT:

Christoph SCHÄFER

Auf der Morgenstelle 10  
+49-7071-29-76747

## 4.6.7. Nano-Science MSc

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

### DESCRIPTION:

The program "Nano-Science" aims to reach prospective students with a broad interest in different natural sciences. Within the four study semesters, the program provides solid theoretical as well as basic practical knowledge in the subjects of biology, chemistry, and physics. Building on this knowledge, special nano scientific courses and modules are offered.

This knowledge as a whole enables the future graduates to enter the sector of nanotechnology and nanoscience in research, development, and production.

**Programme webpage**

### CONTACT

Dr. Üner  
KOLUKISAAGLU

[uener.kolukisaoglu@zmbp.uni-Tübingen.de](mailto:uener.kolukisaoglu@zmbp.uni-Tübingen.de)  
+49-7071-29 73095  
Auf der Morgenstelle 32  
72076 Tübingen

## 4.6.8. Theoretical and Computational Physics (EN)

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

### **DESCRIPTION:**

The "Theoretical and Computational Physics" master's program aims to train qualified specialists with advanced and up-to-date knowledge in theoretical and computational physics (such as atomic, nuclear and elementary particle physics, condensed state physics, complex systems physics, quantum information, etc.), specialists able to contribute to the development of scientific knowledge in different fields of modern physics, also through numerical computing skills acquired in this study program.

The curricula intends to form general competencies related to the knowledge of theoretical methods and numerical calculation/simulation in the field of theoretical and computational physics, modeling of specific physical phenomena, and pursues the development of the practical application of the acquired knowledge. The structure of the program aims to: (I) ensure a quality education process focused on skills training; (II) the migration from an informative to an educational approach, taking into account the demands on the labor market; (III) the active involvement of students in the scientific research activity.

Duration: 2 year full-time program / 4 semesters (120 ECTS) of 14 weeks each. The last semester is divided as follows: 10 weeks for didactic and research activity and 4 weeks for completion of the dissertation thesis.

All courses have face to face lectures and practical activities with numerical/ programming or hands-on experimental laboratories (for experimental courses) or tutorials (for theoretical courses). Research activity (traineeship) is carried on in the research groups of the faculty or of the collaborating research institutes.

**Web page of the master programme**

**Admission for EU Citizens**

### **CONTACT**

Prof. Dr. Virgil BĂRAN  
Faculty of Physics

Lect. Dr. Roxana ZUS  
Faculty of Physics

## 4.6.9. Physics of advanced materials and nanostructures (EN)

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

### DESCRIPTION:

The mission of the Master's program "Physics of advanced materials and nanostructures" is to educate and train specialists, future Ph.D. students, able to perform research activities in a very dynamic field of research, to engage in reflective and independent thinking, and collaborate with their peers in research teams.

The curriculum intends to develop competencies related to the knowledge of both theoretical and experimental methods in condensed matter physics and in the physics of nanostructured materials, necessary for a successful research career in this interdisciplinary field. Teachers and supervisors associated with the program represent active research groups with excellent results in their field of expertise.

Duration: 2 year full-time program / 4 semesters (120 ECTS) of 14 weeks each. The last semester is divided as follows: 10 weeks for research activity and two mandatory lectures, and 4 weeks for completion of master's thesis.

All courses have face-to-face lectures and practical activities with hands-on experiments in the lab (for experimental courses) or tutorials. Research activity (traineeship) is carried out in research groups in the Faculty of Physics or in Physics institutes in Măgurele, the most important research centre in Romania.

**Web page of the master programs**

**Admission for EU Citizens**

### CONTACT:

Prof. Lucian ION  
Faculty of Physics

## 4.7. Mathematics

### 4.7.1. Master in Statistics, Research Focus: General (FR/EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

### DESCRIPTION:

The Master in Statistics teaches students the difficult art of transforming data into information and helping decision-makers and researchers in other fields analyse this information most efficiently.

### CONTACT

Maarten JANSEN

[maarten.jansen@ulb.ac.be](mailto:maarten.jansen@ulb.ac.be)

The programme offers three specialisations, with specific learning outcomes and objectives:

- Theoretical statistics
- Applied statistics
- Economics and statistics

The specialisation in theoretical statistics provides students with the methodological knowledge required to design new statistical procedures and pursue doctoral studies in probability or statistics;

The specialisation in applied statistics prepares students for a career in statistics (in experimental sciences, human sciences, or in the industry) or for doctoral studies in applied statistics;

The specialisation in economics and statistics offers first-class education in statistics, quantitative economics, and econometrics.

This programme is unique in French-speaking Belgium and is taught in English, attracting foreign students from all around the world.

The track statistique théorique brings students the methodological knowledge that is needed to design new statistical procedures and/or to start doctoral studies in probability or in statistics;

The track statistique appliquée aims at preparing students for a statistics career (in experimental sciences, human sciences, or in the industry) or for doctoral studies in applied statistics;

The Economics and Statistics track offers first-class education in statistics, quantitative economics, and econometrics. This program, which is unique in French-speaking Belgium (Communauté Française), is taught in English and attracts foreign students from all over the world.

**Programme website**

## 4.7.2. Probability Theory III (EN)

**UNIVERSITY:** STOCKHOLM UNIVERSITY

**DESCRIPTION:**

The course covers basic measure theory, probability space, characteristic functions, stochastic convergence, and limit theorems; martingales: basic properties, stopping theorems, and convergence theorems.

The teaching consists of lectures, calculus exercises, and home assignments.

**Programme webpage**

Unité d'Enseignement  
des Mathématiques-

Présidence

02 650 58 90

Faculté des Sciences

Campus de la Plaine - CP

213

Boulevard du

Triomphe, ACC.2, 1050

Bruxelles

**CONTACT:**

Dennis ÖBERG

### 4.7.3. Master of Science: Mathematics and Applications (Financial Risks)

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

**DESCRIPTION:**

The Master's Degree in Mathematics and Applications is aimed at students who have completed studies leading to the Bachelor's Degree in Mathematics or any equivalent degree at a foreign university entitling the holder to access postgraduate programmes in Mathematics in that country.

This programme is also open to students with a degree in another field related to Mathematics, such as Engineering, Physics, etc.

All subjects are taught in English except 32937 (in Spanish).

1 year 60 ECTS

Any query on the procedure for admission to this Master's degree should be addressed to [posgrado.oficial@uam.es](mailto:posgrado.oficial@uam.es) (tfnos. +(34) 914972645, +(34) 914975737)

**Programme webpage**

**COORDINATOR:**

Carlos MORA

[informacion.master.matematicas@uam.es](mailto:informacion.master.matematicas@uam.es)

### 4.7.4. Mathematical Physics MSc

**UNIVERSITY:** EBERHARD KARLS UNIVERSITY OF TÜBINGEN

**DESCRIPTION:**

The Master's program Mathematical Physics is a research-oriented interdisciplinary program geared towards basic research at the interface of Mathematics and Physics.

The development of modern Mathematics and of modern Physics is strongly interwoven. On the one hand, our modern picture of the physical world is formulated in terms of advanced mathematical theories and models. On the other hand, many developments in modern Mathematics were motivated from, even anticipated within, Physics.

**Programme webpage**

**CONTACT**

Prof. Stefan TEUFEL

[stefan.teufel@uni-Tuebingen.de](mailto:stefan.teufel@uni-Tuebingen.de)  
+49-7071-2978577

## 4.7.5. Advanced studies in mathematics

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

### DESCRIPTION:

Advanced studies in mathematics / MA / English

The aim of the program in Advanced Studies in Mathematics (ASM) is to substantially improve the initial scientific training of students through appropriate study programs.

This program focuses on two main directions: specialized training and research training and aims to increase the opportunities for integration of the graduate students in the European labor market and to support them to continue their Ph.D. studies in our department.

The mission of the ASM MSc. The program is to train specialists and scientists able to expand the scientific and technological knowledge in theoretical, computational, and applied mathematics, as is the case of algebraic geometry, computational algebra, and analysis. The study program is intertwined with the specific research groups at the Faculty of Mathematics and Computer Science, "Simion Stoilow" Institute of Mathematics of the Romanian Academy, and the National Research and Development Institutes. The master students are to be familiarized with the most important and new themes of research, having in view the work for a dissertation with a high degree of originality.

The main objective is to establish a flexible and well-balanced curriculum, which aims to an interdisciplinary training in modern mathematics and computer science, both theoretical and applied studies, in order to assure a career in different domains of these specialties and also in science, in general.

Successful completion of the degree requires a master's thesis.

### Admission details

### CONTACT

Prof. dr. Liviu ORNEA

[lornea@fmi.unibuc.ro](mailto:lornea@fmi.unibuc.ro)  
Faculty of Mathematics  
and Computer Science  
0721.012.110

## 4.7.6. Algebra, Geometry and Cryptography (EN)

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

### DESCRIPTION:

In the Algebra, Geometry, and Cryptography (AGC) MSc Program, all subjects are of high scientific relevance in the present academic and research context, and the courses are held by specialists in domains such as: algebra, complex geometry, topology, and computational geometry, fundamentals of computer science. The program for

### CONTACT

Prof. dr. Liviu ORNEA

[lornea@fmi.unibuc.ro](mailto:lornea@fmi.unibuc.ro)

Cryptography and Code Theory aims to prove that pure Mathematics (algebraic geometry, the theory of elliptic curves, projective geometry, number theory) could be used both in research and in everyday practice.

Faculty of Mathematics  
and Computer Science  
0721.012.110

The continuous development of the subjects studied in this master's program, as well as the fast development of computing facilities, opens new possibilities in both theoretical and practical studies. Young researchers have to be trained to understand and explore those possibilities. As such, the AGC program will increase the opportunities for integration of the graduates in the emergent markets. The mission of the AGC MSc. program is to train specialists and scientists able to expand the scientific and technological knowledge in theoretical, computational, and applied mathematics, as is the case of algebraic geometry, computational algebra, and code theory. The study program is intertwined with the specific research groups at the Faculty of Mathematics and Computer Science and the National Research and Development Institutes. The master students are to be familiarized with the most important and new themes of research and are encouraged and led to continuing both fundamental and applicative research in specific doctoral studies.

The curriculum is well-balanced and develops in the direction of ensuring good specialized training (through mathematical content courses) as well as training in the field of mathematical research. Successful completion of the degree requires a master's thesis.

#### Admission details

## 4.8. Information Technologies and Communications

### 4.8.1. MA in Data Science and Information Technologies

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

#### **DESCRIPTION:**

The Postgraduate MA Program "Data Science and Information Technologies (DSIT)" is by its very nature intensely interdisciplinary. Its objective is to deepen the knowledge and strengthen the skills of its students with an emphasis in Data Science, Big Data, AI, applied mathematics, statistical methods, as well as their application in Bioinformatics, Biomedical Data Science, and the Life Sciences in general.

The program focuses on subjects related to the management, processing, analysis, and software for massive or complex data, on

#### **COORDONATOR:**

Prof. Ioannis EMIRIS  
[emiris@di.uoa.gr](mailto:emiris@di.uoa.gr)

#### **CONTACT:**

Konstantina KANAVOU  
[kkanavou@di.uoa.gr](mailto:kkanavou@di.uoa.gr)  
+30 210 727 5337



which machine learning and AI can be based, as well as on the development of mathematical models, algorithms, statistical analysis, image analysis methods, and tools for bioinformatics, computational and systems biology, in the era of heterogeneous -omics big data aiming to improve human health.

The DSIT Graduate Program is organized and administered by the prestigious Department of Informatics and Telecommunications of the National and Kapodistrian University of Athens (NKUA), in collaboration with the Biomedical Research Foundation of the Academy of Athens (BRFAA) and the ATHENA Research and Innovation Center. The courses are taught by Professors and Researchers of the above institutions with experience in the Program's fields of study, by Ph.D. scientists of other institutions in Greece and abroad, as well as by experienced industry specialists.

The DSIT program awards Masters of Science (M.Sc) degrees in two specializations:

- Big Data and Artificial Intelligence
- Bioinformatics – Biomedical Data Science

### Our website

National and Kapodistrian  
University of Athens  
Department of Informatics  
and Telecommunications  
Panepistimioupolis, Ilisia  
– Athens, 15784

## 4.8.2. Inter-Institutional MA in Space Technologies, Applications and Services (STAR)

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

### **DESCRIPTION:**

The Departments of Informatics and Telecommunications and Physics, the School of Sciences, the National and Kapodistrian University of Athens, and the Electrical Engineering and Technology of Computers and Mechanical and Aeronautical Engineering of the Polytechnic School of the University of Patras will organize and operate from the academic year 2019-2020 the Postgraduate Program entitled "SPACE TECHNOLOGIES, APPLICATIONS, AND SERVICES" (Space Technologies, Applications, and SeRvices - STAR)."

The subject of the STAR is the scientific field of space technology for the design of space missions and the implementation of satellites, instruments and satellite subsystems for Earth observation, telecommunications and space exploration (upstream), and the development of applications and remote sensing services, navigation

### **COORDINATOR:**

Prof. Antonios  
PASCHALIS

### **ADMINISTRATIVE CONTACT:**

Ms Palaska  
302107275192

Ms Galanaki  
302107275228  
National and Kapodistrian  
University of Athens |  
Department of Informatics  
and Telecommunications

and satellite telecommunications (downstream). Therefore, the STAR Postgraduate Diploma awards the Postgraduate Diploma to the following specializations:

- Space Technology - Space Upstream
- Space Applications and Services - Space Downstream

The objective of the STAR is to provide a substantial and targeted offer from the top Universities of the country with extensive experience in space technology, of an innovative postgraduate program in Space Technologies, Applications, and Services which provides the necessary knowledge for graduate scientists and engineers to be able to respond to the new scientific challenges and technological requirements of space technology.

For the fulfillment of the objectives of the "STAR" IMSP, collaborations will be developed with:

- Laboratories and research teams with excellence and innovative research results in the field of space technology and its applications and services, owned by academic institutions linked to the IMSP (such as the University of the Aegean in Space and Maritime Affairs and the Space School on Space Issues and security) and research centers (such as the Athena Research Center), as well as centers of excellence abroad.
- Enterprises and Industries, members of the Corallia Si-Cluster, operating in specialized areas of space technology and its applications and services, as well as the ESA Business Incubator Center.
- The Hellenic Space Agency (HSA) and the European Space Agency (ESA).
- Foreign agencies for lectures of invited distinguished scientists, exchange of students and participation of our graduate students in international space experiments and constructions.

MA courses are taught in English

#### **Our website**

### **4.8.3. MA in Smart Telecom and Sensing Networks (SMARTNET) /Erasmus Mundus joint master degree**

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

#### **DESCRIPTION:**

Erasmus Mundus Joint Master degrees programme SMARTNET is a two-year (120 ECTS) joint master degree program with the mission to provide unique training opportunities to a cohort of talented young

Panepistimioupolis, Ilisia  
– Athens, 15784

#### **CONTACT**

Dimitrios SYVRIDIS

engineers and scientist in the inter-disciplinary fields of photonic and 5G wireless technologies for data communication, sensing and big data processing. This will be accomplished by bringing together three universities (Aston University, University Paris Saclay, University of Athens) with distinctive and complementary academic qualities and strong educational and research traditions within a training programme of well-defined mobility paths designed to award multiple degrees depending on the chosen curriculum.

Aston University is the coordinator  
National and Kapodistrian University of Athens |  
Department of Informatics and Telecommunications  
Panepistimioupolis, Ilisia  
– Athens, 15784

The programme complies with the ERASMUS mobility rules. Incoming students will start from any of the three institutions where they will spend the first two semesters of their studies and receive the core part of their training. The third semester will be carried out in a different institution and will include specialization courses that enhance the interdisciplinary of the offered degree. The fourth semester will be devoted to an independent project that will be reported in the Master's thesis.

Students will carry out their MSc project in close collaboration with industrial partners.

MA courses are taught in English

### **Webpage of the programme**

### **More details**

### **Application criteria and procedure**

## **4.8.4. MA in Science, Technology, Society-Science and Technology Studies**

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

### **DESCRIPTION:**

The Department of History and Philosophy of Science and the Department of Informatics and Telecommunications of the National and Kapodistrian University of Athens organize and offer the Interdepartmental Program of Graduate Studies in “Science, Technology, Society—Science and Technology Studies.” The purpose of the Program is to train graduates who will be able to analyze, interpret, intervene and make recommendations on issues of relevance to science and technology-based on concepts and research from the human and the social sciences.

### **COORDINATOR:**

Prof. Aristotle TYMPAS  
[tympas@phs.uoa.gr](mailto:tympas@phs.uoa.gr)  
[sts@phs.uoa.gr](mailto:sts@phs.uoa.gr)

The graduates of the Program will be able to identify the best choices regarding science and technology, research and development,

innovation, the economy and the society, legal and ethical issues involved in business, and the rest of the economic and social institutions that contribute to the shaping of science and technology.

They will be specially prepared to contribute to issues emerging from scientific and technological fields connected to informatics and telecommunications; the sciences and technologies devoted to the protection of the environment; biology, medicine, biotechnology, and biomedical technology.

MA courses are taught in English

**Our website**

### 4.8.5. Master in Computer science (FR/EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

**DESCRIPTION:**

The Master programme trains students who, afterward, are able to pursue a Ph.D. in Computer Science and—for the majority of the students—be a highly competent and skilled computer scientist in the IT industry.

We wish to educate a new generation of IT executives and managers who are aware of their role in the society, who are autonomous, and who can efficiently acquire fresh knowledge all along their career.

**CONTACT:**

Jean-François RASKIN

[jean-francois.raskin@ulb.ac.be](mailto:jean-francois.raskin@ulb.ac.be)  
Unité d'Enseignement de  
l'Informatique-Présidence  
02 650 55 92 |  
Faculté des Sciences  
Campus de la Plaine - CP  
212  
Boulevard du Triomphe,  
ACC.2, 1050 Bruxelles

**Programme website**

### 4.8.6. Master in Cybersecurity, Focus Cryptanalysis and Forensics (EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

**DESCRIPTION:**

This Master in Cybersecurity trains students who will act as professionals in information security, security management, and security engineering in the many branches of the IT industry.

**CONTACT:**

Jean-François RASKIN

We want our graduates to have a strong sense of ethics and to be fully autonomous, able to self-teach, dedicated to their role in society, self-evolving throughout their careers, and to have a high level of qualification in IT security.

Courses in this Master are offered by four academic partners (Université Libre de Bruxelles, Université Catholique de Louvain, Université de Namur, and the Royal Military School) and two higher education institutions (Haute École Bruxelles-Brabant and Haute École Libre de Bruxelles), which jointly deliver a single diploma; classes are given in a rich, multidisciplinary and multicultural environment.

**Programme website**

jean-

[francois.raskin@ulb.ac.be](mailto:francois.raskin@ulb.ac.be)

Unité d'Enseignement de  
l'Informatique-Présidence  
02 650 55 92 |

Faculté des Sciences  
Campus de la Plaine - CP  
212

Boulevard du Triomphe,  
ACC.2, 1050 Bruxelles

## 4.8.7. Master in Cybersecurity, Focus Corporate Strategies (EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

**DESCRIPTION:**

This Master in Cybersecurity trains students who will act as professionals in information security, security management, and security engineering in the many branches of the IT industry.

We want our graduates to have a strong sense of ethics and to be fully autonomous, able to self-teach, dedicated to their role in society, self-evolving throughout their careers, and to have a high level of qualification in IT security.

Courses in this Master are offered by four academic partners (Université Libre de Bruxelles, Université Catholique de Louvain, Université de Namur, and the Royal Military School) and two higher education institutions (Haute École Bruxelles-Brabant and Haute École Libre de Bruxelles), which jointly deliver a single diploma; classes are given in a rich, multidisciplinary and multicultural environment.

**Programme website**

**CONTACT:**

Jean-François RASKIN

jean-

[francois.raskin@ulb.ac.be](mailto:francois.raskin@ulb.ac.be)

Unité d'Enseignement de  
l'Informatique-Présidence  
02 650 55 92 |

Faculté des Sciences  
Campus de la Plaine - CP  
212

Boulevard du Triomphe,  
ACC.2, 1050 Bruxelles

## 4.8.8. Specialized master in data science, Big data (EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

**DESCRIPTION:**

You already have a master's degree and good knowledge in computer sciences or in statistics, and you are interested in their applications. Then the present master is a natural choice to improve your skills and become a specialist in massive data analysis. The program we

**CONTACT**

Thomas VERDEBOUT

propose here is fully taught in English and therefore opens to the international job market. In particular, the objective of the master is to improve the following skills:

- Perform a research project or an applied innovation in computer sciences or in statistics.
- Design and implement applications based on artificial intelligence and learning techniques.
- Clearly communicate to various types of audiences conclusions or results of a project in computer sciences, statistics, or econometrics.
- Be able to develop new skills by yourself.
- Be able to be rigorous, independent, ethical, creative, and aware of the impact of the results obtained for a company or for the society in general.

[thomas.verdebout@ulb.ac.be](mailto:thomas.verdebout@ulb.ac.be)

Unité d'Enseignement  
des Mathématiques-  
Présidence |  
Faculté des Sciences  
Campus de la Plaine - CP  
213  
Boulevard du Triomphe,  
ACC.2, 1050 Bruxelles

### Programme website

## 4.8.9. Masters: Formal Methods in Computer Science

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

### **DESCRIPTION:**

Some topics can be taught in Spanish.

**1 year 60 ECTS**

Any query on the procedure for admission to this Master's degree should be addressed to [posgrado.oficial@uam.es](mailto:posgrado.oficial@uam.es)

(tfnos. +(34) 914972645, +(34) 914975737)

### **COORDINATORS:**

Juan de LARA  
JARAMILLO

### **CONTACT DATA:**

[informacion.master.metodosform.inginf@uam.es](mailto:informacion.master.metodosform.inginf@uam.es)  
Secretaría Departamento  
de Ingeniería Informática  
Escuela Politécnica  
Superior, Universidad  
Autónoma de Madrid  
Francisco Tomás y  
Valiente, 11, 28049  
Madrid  
+34 914972230

### Programme webpage

## 4.8.10. Masters: Image Processing and Computer Vision (IPCV)

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

### **DESCRIPTION:**

2 years 120 ECTS

### **COORDINATOR:**



Any query on the procedure for admission to this Master's degree should be addressed to [posgrado.official@uam.es](mailto:posgrado.official@uam.es)

(tfnos. +(34) 914972645, +(34) 914975737)

### Programme webpage

Jesús BESCÓS CANO

Correo electrónico  
[coordinador.master.ipc.v@uam.es](mailto:coordinador.master.ipc.v@uam.es)

## 4.8.11. Master's Degree in Research and Innovation in Information and Communications Technology

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

### DESCRIPTION:

Centre, department, or institute responsible: Higher Polytechnic College, UAM

Location: Higher Polytechnic College, UAM

Year established: 2012-2013

Type: In-class

Bilingual: English/Spanish

Credits: 60 ECTS

Minimum ECTS per enrolment / per year: 24/part-time students; 36/full-time students

Teaching languages: Spanish and English, Bilingual  
30 ECTS in English

Any query on the procedure for admission to this Master's degree should be addressed to [posgrado.official@uam.es](mailto:posgrado.official@uam.es)

(tfnos. +(34) 914972645, +(34) 914975737)

### Programme webpage

### COORDINATOR:

Alberto SUÁREZ  
GONZÁLEZ

### CONTACT DATA:

+34 914 972 230  
[departamentos.eps@uam.es](mailto:departamentos.eps@uam.es)

Departments Secretariat  
Escuela Politécnica  
Superior  
Universidad Autónoma de Madrid  
Calle Francisco Tomás y Valiente, 11, 28049 Madrid

## 4.8.12. Data Science (EN)

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

### DESCRIPTION:

The MSc Program in Data Science (DS) is a two-year master's degree program that has both the attributes of a scientific research program and those of a professional one. The program lays a solid theoretical foundation that emphasizes statistical practice, methods, data analysis as well as practical workplace skills through existing links with specialized companies that also offer optional courses. The study program aims to develop the skills to model and analyze concrete

### CONTACT:

Prof. dr. Alin  
ȘTEFANESCU  
0745.433.332  
[alin@fmi.unibuc.ro](mailto:alin@fmi.unibuc.ro)



problems, to implement efficient methods of data processing, to present the results of the analysis in an intuitive way, extracting those observations with impact for the business requirements.

The DS program is designed for students who are interested in professional careers in business, industry, consulting, or scientific research and supports the graduates to continue their preparation for doctoral studies.

During the first year of study, students follow several fundamental disciplines and acquire core knowledge and skills in exploratory and statistical methods, machine learning principles as well as probabilistic programming.

In the second year, the curriculum contains specialized courses emphasizing special topics in data science, deep learning, distributed data engineering, and information retrieval and text mining.

Each year's program is supplemented by optional courses that will be updated annually depending on the dynamics of the field and the interaction with the companies interested in offering specialized courses within the master.

Successful completion of the degree requires a master's thesis.

### **Admission details**

## **4.8.13. Artificial Intelligence (EN)**

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

### **DESCRIPTION:**

The Artificial Intelligence MSc. Program (AI) offers an introduction to the field of artificial intelligence, the focus is placed on developing both the theoretical and the practical skills needed by the specialists to solve societal problems and to create a world in which human capabilities are augmented by intelligent systems that process, analyze and evaluate the very large amounts of data that are produced daily through the internet and beyond.

The combination of theoretical knowledge about artificial intelligence with application notions in various sub-domains of artificial intelligence, such as computer vision, natural language processing, or information retrieval, aims to train flexible specialists who can easily face the challenges that arise in the most varied paradigms, regardless of platform or programming language. The master's program offers opportunities to people who want to specialize in artificial intelligence and sub-domains such as computer vision or

Assist. Prof. dr. Marina  
CIDOTA

0722.737.387

[cidota@fmi.unibuc.ro](mailto:cidota@fmi.unibuc.ro)

### **CONTACT**

Assoc. Prof. dr.  
Florentina HRISTEA  
0722.458.143

[fhristea@fmi.unibuc.ro](mailto:fhristea@fmi.unibuc.ro)

Assoc. Prof. dr. Marius  
Popescu

0723.586.067

[marius.popescu@fmi.unibuc.ro](mailto:marius.popescu@fmi.unibuc.ro)

natural language processing, contributing to meeting the urgent need of artificial intelligence professionals.

The curriculum offers theoretical courses, considered fundamental, aiming to illustrate how the theoretical notions can be used in various sub-domains such as machine learning, probabilistic programming, knowledge representation, and problem-solving through search algorithms. In the practical part, the students are offered several courses that address the main sub-domains in the field of artificial intelligence, including natural language processing and computer vision. In addition, each year's program is supplemented by optional courses.

Successful completion of the degree requires a master's thesis.

### **Admission details**

## **4.8.14. Security and Applied Logic (SLA)**

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

### **DESCRIPTION:**

The Security and Applied Logic (SLA) program, through its directions, combines the attributes of a scientific research program with those of a professional master. For the past three years, the SLA master was taught in Romanian; however, for the 2020-2021 academic year, its primary teaching language will become English.

Course syllabi and materials were already made available in English as part of the accreditation process, and the [master's website](#) will be translated to reflect the new target audience. The mission of the SLA program is to train security professionals to gain a thorough understanding of the current status of the Information Security field while also enhancing their capacity to receive and integrate in their activity the latest developments in the field. Among its objectives, the SLA program aims to develop the skills required to model and analyze security systems and to correctly apply security techniques, the abilities to identify optimal security methods, and to design and implement high-security systems. Last but not least, we expect that some of the graduates of this program will continue to enhance their expertise by pursuing doctoral studies.

The first-year curriculum contains 6 fundamental disciplines, preparatory for the subsequent courses within the program. The second-year curriculum contains 5 specialized disciplines, guiding students towards gaining a complex and interdisciplinary training.

### **CONTACT**

Assoc. Prof. dr. Traian  
ȘERBĂNUȚĂ

0735.279.178  
[traian.serbanuta@fmi.unibuc.ro](mailto:traian.serbanuta@fmi.unibuc.ro)

Assist. Prof. dr. Paul  
IROFTI  
0723.693.795  
[paul.irofti@fmi.unibuc.ro](mailto:paul.irofti@fmi.unibuc.ro)

Each year's program is supplemented by optional courses to complement students' knowledge about security topics or connected computer science fields. The list of the optional courses will be updated annually according to the dynamics of the field, the programs of the existing masters in the faculty, and the interaction with the security companies interested in offering specialized practical training within the master.

**Master's website**

**Admission details**

## 4.8.15. Natural Language Processing (EN)

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

**DESCRIPTION:**

The Natural Language Processing (NLP) master program is a research master program addressed to all students interested in natural language processing and computational linguistics. The main objectives of the program are to form specialists with solid knowledge in the field of natural language processing and information processing, to provide robust theoretical and practical training for graduates, and to guide them to integrate the latest developments in the field into their academic and industrial activities.

We expect and encourage that part of the graduates of this program will continue to enhance their expertise by pursuing doctoral studies, either at the University of Bucharest or abroad, within NLP master programs' worldwide partners. The first-year curriculum contains 6 fundamental disciplines, preparatory for the subsequent courses within the program. The second-year curriculum contains 5 advanced and specialized disciplines, guiding students towards gaining a complex and interdisciplinary training, being oriented to both research and industry.

Each year's curriculum is supplemented by optional courses, updated annually, to complement students' knowledge about NLP and Computational Linguistics topics or related computer science fields.

The master program benefits of a powerful team of teaching staff, with constant presence in the main NLP journals and conferences. The master's degree will promote a modern, open, and collegial atmosphere based on mutual respect and recognition of each member of the community.

**CONTACT**

Prof. dr. Liviu P. DINU  
0761.146.148  
[liviu.p.dinu@unibuc.ro](mailto:liviu.p.dinu@unibuc.ro)

Prof. dr. Florentina  
HRISTEA  
0722.458.143  
[fhristea@fmi.unibuc.ro](mailto:fhristea@fmi.unibuc.ro)

Successful completion of the degree requires a master's thesis.

**Master's website**

**Admission details**

## 4.9. Engineering and Construction

### 4.9.1. Master of science in chemical and materials engineering (EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

**DESCRIPTION:**

The ULB curriculum in chemical and materials engineering guarantees high-level and multidisciplinary training. The courses are designed to ensure that the students become proficient in the fields of fluids mechanics, transport phenomena, molecular engineering, or in the synthesis and characterization of material and chemical compounds.

Students will acquire essential competencies to develop innovative technologies in a wide range of industrial sectors.

The skills of a civil engineer in chemistry and materials science are of primary importance to meet the challenges of today and tomorrow's world: new materials, sustainable development, renewable energy, health.

**Programme website**

**CONTACT:**

Pierre-Etienne LABEAU

[pierre.etienne.labeau@ulb.ac.be](mailto:pierre.etienne.labeau@ulb.ac.be)

Centre de recherche en  
Métrologie nucléaire  
02 650 20 60  
Ecole polytechnique de  
Bruxelles  
Campus du Solbosch -  
CP 165/84 Avenue F.D.  
Roosevelt, 50, 1050  
Bruxelles

### 4.9.2. Master of Science in Physical Engineering (EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

**DESCRIPTION:**

The Physics Engineering curriculum provides a thorough understanding of the physical phenomena at work in the most advanced technologies.

This in-depth approach not only aims at understanding these technologies but also at improving them through innovation, both at the academic and industrial levels.

Curriculum participants are given a strong grounding in microscopic physics, which involves studying quantum physics and its applications

**CONTACT:**

Pierre-Etienne LABEAU

[pierre.etienne.labeau@ulb.ac.be](mailto:pierre.etienne.labeau@ulb.ac.be)

Centre de recherche en  
Métrologie nucléaire  
02 650 20 60

in atomic, molecular, nuclear, and solid-state physics. Other major fields of physics, such as optics and acoustics, are also covered, as are advanced mathematics and information technology.

The curriculum has a broad approach, typical of University Engineering studies in Belgium so that successful graduates can seek employment in a wide diversity of fields.

**Programme website**

Ecole polytechnique de  
Bruxelles  
Campus du Solbosch -  
CP 165/84 Avenue F.D.  
Roosevelt, 50, 1050  
Bruxelles

### 4.9.3. Master of Science in electrical engineering, focus electronics and information technologies (EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

**DESCRIPTION:**

Electrical engineers trained at the ULB are well placed to respond to market needs from technical consultants, companies, administration departments, and research centers. They are capable of analysing and setting up complex industrial processes, i.e., measuring physical quantities for electricity and transporting it remotely, drawing up control algorithms, assessing system failure risks and detecting them when they occur, creating human-machine interfaces, and measuring the impact of devices they create on other electrical systems and the environment.

Their training means that they can contribute to meeting the challenge of supplying constant high-quality electrical energy and of finding the most rational way to use it.

Electricity is also an information vector (for data, voice communication, and image transfer) in industrial processes and in our daily lives, and this information needs to be produced, processed, and transported.

Electrical engineers possess a solid grounding in areas related to their field, such as electrotechnics, automatic control, instrumentation, signal processing, microelectronics, telecommunications, real-time information technology, and mathematics.

**Programme website**

**CONTACT:**

Pierre-Etienne LABEAU

[pierre.etienne.labeau@ulb.ac.be](mailto:pierre.etienne.labeau@ulb.ac.be)

Centre de recherche en  
Métrologie nucléaire  
02 650 20 60  
Ecole polytechnique de  
Bruxelles  
Campus du Solbosch -  
CP 165/84 Avenue F.D.  
Roosevelt, 50, 1050  
Bruxelles

#### 4.9.4. Master of science in electro-mechanical engineering, professional focus (EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

##### DESCRIPTION:

Aeronautics, automation, mechanical engineering and design, vibrations, robotics, electrical motors, renewable energy, transportation, piston engines, CAD, management, logistics, quality, etc. These are all examples showing that the majority of companies, whatever the sector they belong to, have a growing demand for engineers skilled in electrical, mechanical, or electromechanical engineering. And this is why this programme has so many different facets.

Students opting for the electromechanical engineering specialisation in their third block of the Bachelor course (block 3 of BA) can carry on and take a Master degree in electromechanical engineering, specializing in either management and technology or electro-mechanics. The latter organized together with the VUB since 2011-2012, is taught in English and is part of the BRUFACE initiative

**Programme website**

##### CONTACT:

Pierre-Etienne LABEAU

[pierre.etienne.labeau@ulb.ac.be](mailto:pierre.etienne.labeau@ulb.ac.be)

Centre de recherche en  
Métrologie nucléaire  
02 650 20 60  
Ecole polytechnique de  
Bruxelles  
Campus du Solbosch -  
CP 165/84 Avenue F.D.  
Roosevelt, 50, 1050  
Bruxelles

#### 4.9.5. Master of Science in Computer science and engineering, Professional focus (EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

##### DESCRIPTION:

The Master in Computer Science and Engineering program provides top-quality scientific training in information technology. The aim is to train engineers capable of designing, implementing, correcting, and maintaining complex computer-based systems through a thorough understanding of the underlying algorithmically, software, and hardware aspects.

The skills developed focus not only on the essential concepts of modern information technology but also on the technical characteristics associated with the training for civil engineering. The project-directed training, in particular, helps students to develop practical skills in this field.

**Programme website**

##### CONTACT:

Pierre-Etienne LABEAU  
[pierre.etienne.labeau@ulb.ac.be](mailto:pierre.etienne.labeau@ulb.ac.be)

Centre de recherche en  
Métrologie nucléaire  
02 650 20 60  
Ecole polytechnique de  
Bruxelles  
Campus du Solbosch -  
CP 165/84 Avenue F.D.  
Roosevelt, 50, 1050  
Bruxelles



#### 4.9.6. Master of Science in Computer science and engineering, Focus Big Data Management and Analytics (Erasmus Mundus) (EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

##### DESCRIPTION:

The Master in Computer Science and Engineering program provides top-quality scientific training in information technology. The aim is to train engineers capable of designing, implementing, correcting, and maintaining complex computer-based systems through a thorough understanding of the underlying algorithmically, software, and hardware aspects.

The skills developed focus not only on the essential concepts of modern information technology but also on the technical characteristics associated with the training for civil engineering. Project-directed training, in particular, helps students to develop practical skills in this field.

**Programme website**

##### CONTACT:

Pierre-Etienne LABEAU  
[pierre.etienne.labeau@ulb.ac.be](mailto:pierre.etienne.labeau@ulb.ac.be)

Centre de recherche en  
Métrologie nucléaire  
02 650 20 60

Ecole polytechnique de  
Bruxelles  
Campus du Solbosch -  
CP 165/84 Avenue F.D.  
Roosevelt, 50, 1050  
Bruxelles

#### 4.9.7. Master of science in civil engineering (EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

##### DESCRIPTION:

This course in civil construction engineering at the ULB trains graduates for a broad range of jobs in the construction sector, qualifying them for positions in technical consultancies and supervisory centers (construction design), general companies (site management), administration, etc. The training given relies on the knowledge of the properties of materials used, the understanding of structural mechanisms (geotechnics, structure stability), and develops general skills in construction (project management, architectural integration, environmental aspects).

The pedagogical methods used encourage teamwork on projects and enable participants to develop the essential skills for pursuing a rewarding career. Together, these two sets of qualities mean that the training provided on this programme offers skills that are both geared towards specific applications whilst being versatile at the same time.

**Programme website**

##### CONTACT:

Pierre-Etienne LABEAU

[pierre.etienne.labeau@ulb.ac.be](mailto:pierre.etienne.labeau@ulb.ac.be)

Centre de recherche en  
Métrologie nucléaire  
02 650 20 60

Ecole polytechnique de  
Bruxelles  
Campus du Solbosch -  
CP 165/84 Avenue F.D.  
Roosevelt, 50, 1050  
Bruxelles



## 4.9.8. Specialized Master in Nuclear Engineering (EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

### DESCRIPTION:

Registering to this master-after-master program gives access to the Belgian Nuclear higher Education Network (BNEN).

The condensed - 60 credits in one year, including a master thesis – BNEN program allows the students to acquire all necessary scientific and technical background and skills to develop a career in the field of nuclear applications, mainly for electricity production.

Students are offered the opportunity to coherently take a part of their basic nuclear education at different places in Europe while cumulating credit units. Practical laboratory sessions and advanced subjects taught in a modular way are also offered to enrich the program.

### Programme website

### CONTACT:

Pierre-Etienne LABEAU  
[pierre.etienne.labeau@ulb.ac.be](mailto:pierre.etienne.labeau@ulb.ac.be)  
Centre de recherche en  
Métrologie nucléaire  
02 650 20 60  
Ecole polytechnique de  
Bruxelles  
Campus du Solbosch -  
CP 165/84 Avenue F.D.  
Roosevelt, 50, 1050  
Bruxelles

## 4.9.9. Master of science in architecture and engineering (EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

### DESCRIPTION:

The Master in Architectural Engineering completes a study programme in which architecture and construction engineering are closely intertwined: the learning objectives combine the mastering of construction engineering with the skills to design architecture, that is: to create meaningful places that favor the well-being of their future users.

Students are trained in the advanced scientific knowledge and attitudes proper to construction and architecture sciences and research. Students learn to design and detail complex sustainable buildings, with a special focus on their functions, load-bearing structure, their equipment, and the technologies they require.

Students are trained in the design of sustainable, large-scale architectural projects, aiming at creating added value in complex (mainly urban) situations. Students learn to coordinate the planning and on-site building of architecture projects: they acquire specialist knowledge on organizing and directing projects and on mastering its technical aspects.

Students are trained in the design of sustainable, large-scale architectural projects, aiming at creating added value in complex

### CONTACT:

Pierre-Etienne LABEAU  
[pierre.etienne.labeau@ulb.ac.be](mailto:pierre.etienne.labeau@ulb.ac.be)  
Centre de recherche en  
Métrologie nucléaire  
02 650 20 60  
Ecole polytechnique de  
Bruxelles  
Campus du Solbosch -  
CP 165/84 Avenue F.D.  
Roosevelt, 50, 1050  
Bruxelles

(mainly urban) situations. Students learn to coordinate the planning and on-site building of architecture projects: they acquire specialist knowledge on organizing and directing projects and on mastering its technical aspects.

**Programme website**

## 4.9.10. Specialized Master in Sustainable Urban Design and Regional Planning (EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

### DESCRIPTION:

This Advanced Master aims at training highly qualified professionals and researchers to become cutting edge planner and urbanist. The need for such a profile is not covered by any existing master at ULB, the Master in Urban Studies (VUB-ULB), and the master in urban management of ULB in Charleroi. On the contrary, there is a strong need for such a programme to deepen the urbanism and research by design skills of master graduates with an initial training in architecture (MA Architecture, MA landscape architecture, MSc Architectural Engineering).

The current proposal is an attempt to deliver collaboratively a revised and upgraded Advanced Master in Transition Urbanism.

**Programme website**

### CONTACT

Geoffrey GRULOIS

[geoffrey.grulois@ulb.be](mailto:geoffrey.grulois@ulb.be)  
Laboratoire Urbanisme,  
Infrastructures, Ecologies  
et Paysage (LOUISE)  
Faculté d'Architecture  
Campus Solbosch -  
Flagey - CP 248/06  
Place Eugène Flagey, 19,  
1050 Bruxelles

## 4.9.11. Masters: Deep Learning for Audio and Video Signal Processing

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

### DESCRIPTION:

Credits 60 ECTS

Minimum ECTS: (part time) 24 to 36 ECTS

(full time): 37 to 60 ECTS

Any query on the procedure for admission to this Master's degree should be addressed to [posgrado.official@uam.es](mailto:posgrado.official@uam.es)  
(tfnos. +(34) 914972645, +(34) 914975737)

**Programme web page**

### COORDINADOR:

Juan Carlos San  
Miguel AVEDILLO

Correo electrónico:  
[coordinador.master.dl4avs@uam.es](mailto:coordinador.master.dl4avs@uam.es)

## 4.10. Health and Welfare

### 4.10.1. Athens International Master's Program in Neurosciences

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

**DESCRIPTION:**

This cutting-edge Master's programme is a combined effort of several Athens-based University departments and research centers. It builds on the multi-disciplinary research profiles of its staff.

Teaching and research staff includes Greek and International professors and researchers of Greek and International Universities and Research Centers. All lectures are taught in English.

The programme equips students with a rigorous grounding in experimental and computational methods of neurosciences; it also provides them with the opportunity to apply the knowledge they acquired in a practical research project, which may be carried out in collaboration with one of the Master's programme's partners.

This two-year MSc degree programme, consists of taught modules (12 months) plus a research project and dissertation (12 months). It is designed for students with a good degree in the biological / life sciences (psychology, neuroscience, biology, medicine, etc.) or physical sciences (computer science, mathematics, physics, engineering) interested in how the brain and mind works.

The core contents of this programme include (i) fundamentals of experimental neurosciences (developmental neuroscience, cellular and molecular neuroscience, neuroanatomy, neurobiological bases of diseases of the nervous system, neuropharmacology, neuroimmunology, neuroendocrinology, behavioral neuroscience, electrophysiology, neuroimaging), (ii) Lab rotations, and (iii) concepts, methods of computational modeling, data analytics, and machine learning.

**Our website**

**CONTACT**

Prof. Spiros  
EFTHIMIOPOULOS

[efthis@biol.uoa.gr](mailto:efthis@biol.uoa.gr)  
[masterneuro@biol.uoa.gr](mailto:masterneuro@biol.uoa.gr)  
Secretariat of the  
Department of Biology  
Panepistimiopolis,  
Zografou  
Zografou 157 84  
Athens, Greece

### 4.10.2. MA in Molecular Biomedicine: Mechanisms of Disease, Molecular and Cellular Therapies, and Bioinnovation

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

**DESCRIPTION:**

This intensive MA program aims to place students at the forefront of modern biomedical research and to lay the foundation for the

**CONTACT**

Prof. George KOLLIAS

development of innovation and entrepreneurship in the field of biomedicine and biotechnology.

The program provides the opportunity to perform research in leading labs in the field and offers innovative, multidisciplinary training, combining practical experience and theoretical knowledge in disease mechanisms, state-of-the-art technologies, animal modeling, clinical validation, large scale omics analysis, advanced imaging platforms, as well as complementary training in innovation, entrepreneurship and technology transfer.

Through a research-intensive program, students will learn how to form and test hypotheses, get familiarized with past and current knowledge in the field, address biological questions using state-of-the-art methodologies, think critically and achieve relative independence.

The program provides state-of-the-art training towards a deep mechanistic understanding of disease pathogenesis combined with a systemic, integrated view of pathophysiology and tools for the development of novel approaches for disease management, preparing students to pursue successful research careers in the new era of personalized medicine

#### **Our website**

[g.kollias@fleming.gr](mailto:g.kollias@fleming.gr)  
[molecularbiomedicine@med.uoa.gr](mailto:molecularbiomedicine@med.uoa.gr)

+30 210 7462569

Department of  
Physiology,  
Medical School  
National and Kapodistrian  
University of Athens  
75 Mikras Asias, Athens,  
11527

### **4.10.3. MA in Nanomedicine**

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

#### **DESCRIPTION:**

The Interdepartmental Postgraduate Studies Program in "Nanomedicine" focuses on the provision of high-level qualification and specialized training in the field of "Nanomedicine."

This Program leads to a Master's degree (MSc) in "Nanomedicine" after successful completion of the studies based on the curriculum. Applicants can be graduates from Greek and foreign Universities with a degree in Medicine, Pharmacy, Biology, Physics, Chemistry, Chemical Engineering, and other related subjects.

The duration of the programme is one (1) year, including the time required for preparing and supporting the thesis. The program consists of three units referring to:

- Unit 1: Introduction to Nanotechnology
- Unit 2: Applications of Nanotechnology in Medicine
- Unit 3: Nano-toxicity and Regulatory aspects.

The official language of this Master's Program is English.

#### **CONTACT**

Prof. Efstathios  
EFSTATHOPOULOS

[stathise@med.uoa.gr](mailto:stathise@med.uoa.gr)  
[nanomed@med.uoa.gr](mailto:nanomed@med.uoa.gr)  
+30 210 746 2942

The course attendance is mandatory for 80% of the teaching hours of each unit.

The possibility of part-time study is also provided. Students in this category must have a proven record of working and submitting a work contract or an employment certificate.

**Our website**

#### 4.10.4. MA in Clinical Neuropsychology-Cognitive Neuroscience

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

**DESCRIPTION:**

MA in collaboration with The Montreal Neurological Institute-Hospital, Gill University. Specialisation:

- 1) Clinical Neuropsychology,
- 2) Cognitive Neuroscience

Courses in Greek and in English.

**CONTACT**

Eleni  
VASSILOPOULOU

[helvass02@yahoo.co.uk](mailto:helvass02@yahoo.co.uk)

Eginitio Hospital  
Neurology Department  
Vass. Sophias 72 Athens  
11528

#### 4.10.5. MA in Endovascular Techniques

**UNIVERSITY:** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

**DESCRIPTION:**

“Intravascular Surgery” (School of Medicine and University of Milano – Bicocca)

Courses in Greek and in English.

**Our website**

**CONTACT:**

Prof. G GEROULAKOS  
[ggeroulakos@med.uoa.gr](mailto:ggeroulakos@med.uoa.gr)

**ADMINISTRATIVE  
CONTACT:**

Maria CHRISTOU  
+30 210 5831474

## 4.10.6. Master in Biomedical Sciences, Research Focus (FR/EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

### DESCRIPTION:

Fulfill your ambitions by gaining a command of the concepts and techniques of human biology with a particular focus on pure or applied medical research aiming at the development of new diagnostic or therapeutic tools.

### Programme website

### CONTACT

Isabelle PIRSON

Institut de recherche  
interdisciplinaire en  
Biologie humaine et  
moléculaire (IRIBHM)  
02 555 41 37 |  
[pirson.isabelle@ulb.ac.be](mailto:pirson.isabelle@ulb.ac.be)  
Faculté de Médecine  
Campus Erasme - CP 602  
Route de Lennik, 808,  
1070 Bruxelles

## 4.10.7. Master in Biomedical Sciences, Professional Focus (FR/EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

### DESCRIPTION:

Fulfill your ambitions by gaining a command of the concepts and techniques of human biology with a particular focus on pure or applied medical research aiming at the development of new diagnostic or therapeutic tools.

### Programme website

### CONTACT

Isabelle PIRSON

Institut de recherche  
interdisciplinaire en  
Biologie humaine et  
moléculaire (IRIBHM)  
02 555 41 37 |  
[pirson.isabelle@ulb.ac.be](mailto:pirson.isabelle@ulb.ac.be)  
Faculté de Médecine  
Campus Erasme - CP 602  
Route de Lennik, 808,  
1070 Bruxelles

## 4.10.8. Master in Biomedical Sciences (60 crédits) (FR/EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

### DESCRIPTION:

Personalized medicine aims to transform healthcare by tailoring therapies to the individual characteristics and needs of each patient.

### CONTACT

This requires an efficient translation of fundamental research findings into standard care.

The short master's in translational medicine is a one-year (60 credits), full English programme designed to train students in medical and biomedical sciences or associated areas on how to apply relevant findings derived from fundamental research into newly patient-oriented diagnostic approaches and therapies.

This program offers substantial formation in pre-clinical and clinical aspects of personalized medicine, as well as fundamental knowledge and interdisciplinary skills necessary to interact with experts and colleagues from a wide range of disciplines that will shape the future of medicine.

**Programme website**

Isabelle PIRSON

Institut de recherche  
interdisciplinaire en  
Biologie humaine et  
moléculaire (IRIBHM)  
02 555 41 37 |  
[pirson.isabelle@ulb.ac.be](mailto:pirson.isabelle@ulb.ac.be)  
Faculté de Médecine  
Campus Erasme - CP 602  
Route de Lennik, 808,  
1070 Bruxelles

## 4.10.9. Specialized Master in Public Health Methodology (FR/EN)

**UNIVERSITY:** UNIVERSITÉ LIBRE DE BRUXELLES

**DESCRIPTION:**

This programme is intended for public health professionals and health managers who work at different levels of the health system. The main goal is to provide a large degree of autonomy in the use of public health methods to achieve the overall objective: “ensure methodological approaches and public health decision- makings, consistent with the needs of people, communities and individuals.”

This specialized master thus highlights the methodologies for analysing and investigating major health issues, especially in developing countries, within a global health approach.

**Programme website**

**CONTACT**

Katia CASTETBON

[katia.castetbon@ulb.ac.be](mailto:katia.castetbon@ulb.ac.be)

Département  
d'Enseignement (DESP)  
02 555 40 17  
Ecole de Santé publique  
Campus Erasme - CP  
598, Route de Lennik,  
808 | 1070 Bruxelles

## 4.10.10. Master of Science: Biotechnology (English)

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

**DESCRIPTION:**

The Master's Degree in Biotechnology of the UAM aims to provide advanced, multidisciplinary, and integrated in the field of Molecular Biotechnology, focusing on applied research and the development of products, goods, and services based on the selective and programmed manipulation of cellular and biomolecular processes.

**1 year 60 ECTS**

**GENERAL  
COORDINATORS**

Mauricio GARCÍA MATEU  
Isabel SÁNCHEZ PÉREZ

**COORDINATORS**



Any query on the procedure for admission to this Master's degree should be addressed to [posgrado.official@uam.es](mailto:posgrado.official@uam.es) (tfnos. +(34) 914972645, +(34) 914975737)

**Programme web page**

María FERNÁNDEZ  
LOBATO  
Francisco PORTILLO  
PÉREZ  
[informacion.master.bioteconologia@uam.es](mailto:informacion.master.bioteconologia@uam.es)

## 4.10.11. Master of Science: Biomolecules and Cell Dynamics

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

### DESCRIPTION:

The Master's Degree in Biomolecules and Cell Dynamics of the UAM is intended to prepare students to develop a research career in the field of Molecular and Cell Biology and its applications.

Its objective is to train professionals with both a deep knowledge of the structures and molecular processes of cells and the ability to use experimental and computational tools for study.

Any query on the procedure for admission to this Master's degree should be addressed to [posgrado.official@uam.es](mailto:posgrado.official@uam.es) (tfnos. +(34) 914972645, +(34) 914975737)

**1 Year 60 ECTS**

**Programme web page**

**COORDINATORS:**  
Félix HERNÁNDEZ  
PÉREZ  
Marina LASA BENITO

**GENERAL  
COORDINATORS**  
Mauricio GARCÍA  
MATEU  
Isabel SÁNCHEZ  
PÉREZ  
[informacion.master.biomoleculas@uam.es](mailto:informacion.master.biomoleculas@uam.es)

## 4.10.12. Master of Science and Medicine: Molecular Biomedicine

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

### DESCRIPTION:

The Master's Degree in Molecular Biomedicine of the UAM seeks to provide advanced, multidisciplinary, and integrated training in the field of Molecular Biology of Health and Illness aimed mainly at research into the molecular basis of human pathology, as well as the discovery and development of new preventive, diagnostic and therapeutic procedures based on knowledge about Molecular Biosciences.

All classes taught in English except one (6 ects): Animal experimentation and bioethics (taught in Spanish).

**1 year 60 ECTS**

Any query on the procedure for admission to this Master's degree should be addressed to [posgrado.official@uam.es](mailto:posgrado.official@uam.es) (tfnos. +(34) 914972645, +(34) 914975737).

**GENERAL  
COORDINATORS** (for  
Postgraduate studies in  
Molecular Bioscience):

Mauricio GARCÍA  
MATEU  
Isabel SÁNCHEZ  
PÉREZ

**MASTERS  
COORDINATORS:**  
Belén PÉREZ  
GONZÁLEZ  
Isabel LASTRES

[informacion.master.bio@uam.es](mailto:informacion.master.bio@uam.es)  
[medicinamolecular@uam.es](mailto:medicinamolecular@uam.es)

### Programme webpage

## 4.10.13. Master of Medicine: Pharmacological Research

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

### **DESCRIPTION:**

The main aim of the Master's in Pharmacology Research is to introduce students to the world of research so that they are prepared for future innovation, research, and the development of new medicines for their use in the diagnosis, preventive medicines, or in the treatment of human illness, with the ultimate aim of improving health and quality of life, both at individually (the patient) and socially.

Any query on the procedure for admission to this Master's degree should be addressed to [posgrado.official@uam.es](mailto:posgrado.official@uam.es) (tfnos. +(34) 914972645, +(34) 914975737)

### **COORDINATORS:**

Manuela GARCÍA  
LÓPEZ  
Luis GANDÍA JUAN

[informacion.master.farmacologia@uam.es](mailto:informacion.master.farmacologia@uam.es)

**1 year 60 ects**

**Programme webpage**

**More details**

## 4.10.14. Cellular and Molecular Neuroscience MSc

**UNIVERSITY:** EBERHARD KARLS UNIVERSITÄT TÜBINGEN

### **DESCRIPTION:**

Genetic and molecular basis of neural diseases, molecular and cell biology of neurons and glia, sensory systems neuroscience, neurophysiology, neurochemistry and neurotransmitters, cellular and molecular mechanisms of learning and memory, neural plasticity and neuroregeneration, developmental neurobiology, behavioral neuropharmacology, microscopy and cell imaging techniques.

The master's program will last 24 months and consists of two theoretical units, each followed by experimental units and a six-months period where students prepare their master thesis.

**Programme webpage**

### **CONTACT**

Dr. Katja THIELTGES

[neuro.office@uni-tuebingen.de](mailto:neuro.office@uni-tuebingen.de)

Graduate Training Centre  
of Neuroscience  
University of Tübingen  
Österbergstraße 3  
D-72074 Tübingen  
+49-7071-29-77179

## 4.10.15. Neuro- and Behavioral Sciences MSc

**UNIVERSITY:** EBERHARD KARLS UNIVERSITÄT TÜBINGEN

### DESCRIPTION:

Behavioural neuroscience and functional neuro anatomy, mechanisms of learning and memory, computational neuroscience, neurophysiology and neuropsychology, motor and sensory systems neuroscience, cognitive neuroscience and psychophysics, physical and physiological basis of brain imaging and recording.

The master's program will last 24 months and consists of two theoretical units, each followed by several weeks lasting laboratory rotation and a six-months period where students prepare their master thesis.

**Programme webpage**

### CONTACT

Dr. Katja THIELTGES

[neuro.office@uni-Tuebingen.de](mailto:neuro.office@uni-Tuebingen.de)

Graduate Training Centre  
of Neuroscience  
University of Tübingen  
Österbergstraße 3  
D-72074 Tübingen  
+49-7071-29-77179

## 4.10.16. Neural Information Processing MSc

**UNIVERSITY:** EBERHARD KARLS UNIVERSITÄT TÜBINGEN

### DESCRIPTION:

Computational Neuroscience, neural data analysis and models of neural coding and computation, physical and physiological basis of neural recordings and brain imaging, computational motor control and computational vision, rehabilitation robotics and brain computer interfaces, systems neuroscience and neurophysiology, basic mechanisms of learning and memory, mathematics, statistics and programming, machine learning for neuroscience, theoretical neuroscience, behaviour and cognition.

The master's program will last 24 months and consists of two theoretical units, each followed by several weeks lasting laboratory rotation and a six-month period where students prepare their master thesis.

**Programme webpage**

### CONTACT

Dr. Katja THIELTGES

[neuro.office@uni-Tuebingen.de](mailto:neuro.office@uni-Tuebingen.de)

Graduate Training Centre  
of Neuroscience  
University of Tübingen  
Österbergstraße 3  
D-72074 Tübingen  
+49-7071-29-77179

## 4.10.17. Medical Informatics MSc

**UNIVERSITY:** EBERHARD KARLS UNIVERSITÄT TÜBINGEN

### DESCRIPTION:

Medical informatics is the interdisciplinary science of systematic exploitation, management, storage, processing, and provision of data,

### CONTACT

information, and knowledge in medicine and healthcare. Apart from the basic principles, concepts, and methods of computer science, the Master's degree course in medical informatics teaches basic principles, concepts, and methods of human medicine and natural sciences. Graduates will be trained to work closely with healthcare professionals to develop, apply, and manage computational tools to address a wide range of medical questions.

By appropriate selection of modules from the various fields of study, students may complete the entire degree course in English.

**Programme webpage**

Prof. Dr. Nico PFEIFER

[pfeifer@informatik.uni-Tuebingen.de](mailto:pfeifer@informatik.uni-Tuebingen.de)

Sand 14, 72076 Tübingen

## 4.10.18. Molecular Medicine MSc

**UNIVERSITY:** EBERHARD KARLS UNIVERSITÄT TÜBINGEN

**DESCRIPTION:**

Tübingen's Master's program is an excellent choice for students seeking an advanced academic and laboratory research training program in modern cellular and molecular medicine with direct application to the study of human disease.

A particular strength of the Faculty of Medicine at the University of Tübingen is our highly acclaimed applied research in the specialized areas of neurosciences, immunology, oncology, and infection biology. Training in these specialized areas is offered by experts who are predominantly active researchers or clinical scientists. As expert teachers, they provide a comprehensive and thoroughly up-to-date overview of the area.

Each student chooses two of the following four specialized areas.

**Programme webpage**

**CONTACT**

Dr. Konstanze MUSCHKO

[konstanze.muschko@uni-Tuebingen.de](mailto:konstanze.muschko@uni-Tuebingen.de)

+49-7071-29-73682 |  
Silcherstraße 5, 72076  
Tübingen

## 4.10.19. Biomedical Technologies MSc

**UNIVERSITY:** EBERHARD KARLS UNIVERSITÄT TÜBINGEN

**DESCRIPTION:**

The interprofessional and interdisciplinary master's degree program in Biomedical Technologies is characterized by practice orientation and internationality. The master program at the University of Tübingen is an excellent choice for students seeking advanced academic and application-oriented research training in emerging fields of Biomedical Technologies, integrating the excellent focus areas of Implantology, Bioimaging, and Nanoanalytics/ Interfaces. The trainings are offered

**CONTACT**

Dr. Verena CONRAD

Study Coordinator  
Biomedical  
Technologies

by experts in basic as well as clinical sciences and provide a comprehensive overview of the area.

The program provides:

- Excellent study conditions in small training groups with individual contact with researchers and clinicians.
- Close cooperation with more than 40 universities all over the world, which offers the option to complete a practical work experience or to write the master thesis abroad.
- Furthermore, close interaction with companies and research institutes in Medical Technologies and Biomedical Technologies secures a competence-based study program, practical experiences, and the enclosure of researchers from industry in lectures.

Our central goal is to prepare our students for various professional challenges to successfully start a career in future-oriented branches of Biomedical Technologies.

In the first year, students can choose two out of three specialization modules (Implantology, Bioimaging, Nanoanalytics/ Interfaces), allowing the students to tailor the program to their individual interests. The second year of the master's program is flexibly organized to allow students to gain practical experience in research institutes, industry, or abroad.

**Programme webpage**

[verena.conrad@med.uni-tuebingen.de](mailto:verena.conrad@med.uni-tuebingen.de)

+49-7071-2973679 |

Silcherstraße 5, 72076  
Tübingen



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Erasmus+ Programme  
of the European Union



## PH.D. PROGRAMMES

# 1. Social Sciences and Journalism

## 1.1. Economics / Business Administration

### 1.1.1. Ph.D. Program in Economics and Management of Innovation

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

**DESCRIPTION:**

Its general objective is to train individuals who are able to address and solve problems of scientific and technological nature in the field of economics and innovation management through independent and original research work that expands the knowledge frontier. The program aims to offer society a group of individuals who are able to elaborate, assess, and criticize new scientific and technological development projects in the field of economics and innovation management.

**CONTACT:**

Francisco José  
VÁZQUEZ  
HERNÁNDEZ

[franciscojose.vazquez@uam.es](mailto:franciscojose.vazquez@uam.es)

Research lines:

- 1) Internationalization of Technological Change.
- 2) Technological Innovation, Technology Transfer, Industrial Property.
- 3) R&D Policies, Technology, and Innovation Policies.
- 4) Technical Change and Competitiveness in the Services Sector.
- 5) Management of Innovation in Businesses.
- 6) Business Intelligence, System Management, Project Management.
- 7) Knowledge-Economy, Intangible Assets, and Intellectual Capital.
- 8) Indicators of the National Innovation System.
- 9) Economics of Innovation.
- 10) Spatial Organisation of Productive Systems and Regional Development Policies.

Conferences and seminars in English are provided for students enrolled in the program, some of which are available on streaming.

The Doctoral Program in Economics and Innovation Management (DEGIN) is a joint-program of the Autonoma, Complutense, and Polytechnic Universities of Madrid.

**Our webpage**



## 1.1.2. Doctorate in Economics and Business

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

### DESCRIPTION:

The main objective of the Economics and Business Programme is the training of highly qualified professionals so that they can carry out research work in the field of Economics and Business, both in institutes or research centres and in economic institutions and business organisations where they can improve and generate processes of economic and business innovation.

The specific purpose of the Doctoral Programme in Economics and Business is to enable the completion of a quality doctoral thesis in the generic field of Economics and Business and in the specific associated with each of the areas of knowledge that are reflected in it. Doctoral Training Courses in Spanish and English. Supervision of the PhD project in Spanish and English.

**Our website**

### CONTACT

Cristobal TORRES  
ALBERO

Full Professor  
[cristobal.torres@uam.es](mailto:cristobal.torres@uam.es)

## 1.2. Psychology

### 1.2.1. Doctoral program on Psychology

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

### DESCRIPTION:

**Programme webpage**

**More details**

### CONTACT:

Maria SOTILLO  
[maria.sotillo@uam.es](mailto:maria.sotillo@uam.es)

## 1.3. Law and Administration

### 1.3.1. Ph.D. Law, Government, and Public Policy

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

### DESCRIPTION:

The language agreed by the supervisor and doctoral student  
The PhD program in Law, Government, and Public Policy is a joint venture between the UAM School of Law and the CSIC Public Policies

### CONTACT

and Public Goods Institute. The program provides a multidisciplinary environment where PhD students develop their analytical skills and advanced research capacities, grounded on a sound theoretical understanding, in order to address a wide array of challenging issues regarding Law, Government, Politics, International Relations, and Public Policy.

The language agreed by the supervisor and doctoral student. The training activities of the PhD program (Training Researchers Seminars) can be carried out in English or Spanish). Conferences and Methodological Seminars Series for the use of research tools;

It is not guaranteed (Training Researches Seminars) to always find specialist counterparts willing to make their comments in the language chooses by the doctoral student.

**Programme webpage**

Soledad  
TORRECUADRADA  
GARCÍA-LOZANO

[soledad.torrecuadrada@uam.es](mailto:soledad.torrecuadrada@uam.es)

### 1.3.2. Doctoral School of Law (EN/ FR)

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

**DESCRIPTION:**

The possibility is offered to doctoral researchers to prepare the thesis under joint coordination and to draft the thesis in English or French language.

**More details**

**Programme webpage**

**CONTACT**

Prof. Dana TOFAN  
[dana.tofan@drept.unibuc.ro](mailto:dana.tofan@drept.unibuc.ro)  
Rhoda ȘERBAN  
Law College's Secretary  
General  
Faculty of Law, College  
Juridique d'Etudes  
Europeennes  
[info@collegejuridique.ro](mailto:info@collegejuridique.ro)  
[rhoda.serban@collegejuridique.ro](mailto:rhoda.serban@collegejuridique.ro)

### 1.3.3. Post-doctoral research program

**UNIVERSITY:** UNIVERSITY OF BUCHAREST

**DESCRIPTION:**

The possibility is offered to post-doctoral researchers to perform research activities in a specific field of law.

**CONTACT**

The results of their research have to be published in the French language.

**More details**  
**Programme webpage**

Prof. Dana TOFAN

[dana.tofan@drept.unibuc.ro](mailto:dana.tofan@drept.unibuc.ro)  
[info@collegejuridique.ro](mailto:info@collegejuridique.ro)

## 2. Natural and Physical Sciences, Mathematics

### 2.1. Chemistry

#### 2.1.1. Electrochemical, Science and Technology (English)

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

**DESCRIPTION:**

This program is an interuniversity program with 11 universities involved in it. Students can do the PhDs in different areas of electrochemistry, such as: corrosion, electrocatalysis, energy conversion, electrosynthesis, etc.

The way to access the program is through the universities involved in the program and applying to the program in these universities.

**Our website**

**CONTACT**

Enrique HERRERO  
(Alicante)

Pilar HERRASTI  
[enrique.herrero@uam.es](mailto:enrique.herrero@uam.es)

#### 2.1.2. Ph.D. in Applied Chemistry

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

**DESCRIPTION:**

The objective of the Doctoral Program in Applied Chemistry is the advanced training of students in research methodologies and techniques that will allow completing and presenting the corresponding doctoral thesis in a field of Chemistry and related fields.

The Ph.D. in Applied Chemistry prepares highly qualified researchers in the development of research in chemistry, able to incorporate advances in applied Chemistry, Chemical Engineering, Materials Science, and Nanoscience fields, responding to the actual demand in

**CONTACT**

Jesús Rodríguez  
PROCOPIO  
[jrprocopio@uam.es](mailto:jrprocopio@uam.es)

basic and applied research existing in these fields, so they can respond successfully to the challenge of generation and transfer of knowledge to the society and the productive sector.

Thus, PH doctors who graduated in this program may not only carry out their work in universities and public research centres but may join the R&D departments of Chemical Industries.

**Programme webpage**

## 2.2. Environment

### 2.2.1. Ph.D. Programme in Ecology

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

**DESCRIPTION:**

The role of Ecology in our society is becoming highly relevant, both as a basic science that allows us to increase our knowledge about the structure and functioning of ecological systems and also as an applied science intended to solve the most urgent environmental problems associated with the process of global change that is threatening our planet.

This PhD programme is designed to develop outstanding scholars and environmental professionals qualified to conduct high-level ecological research.

Apply via the Doctoral School of Universidad Autónoma de Madrid

**Programme webpage**

**COORDINATOR**

José A. GONZÁLEZ  
[jose.gonzalez@uam.es](mailto:jose.gonzalez@uam.es)

## 2.3. Physics

### 2.3.1. PhD Program in Theoretical Physics

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

**DESCRIPTION:**

The PhD program in Theoretical Physics is integrated within the broad scientific field called in general Experimental Sciences and is designed a unique program, that is to say, with only one university involved, in this case, the Autonomous University of Madrid.

**CONTACT**

Claudia GLASMAN

The Department of Theoretical Physics is the responsible department for this program, and the Institute for Theoretical Physics (IFT) is participating in the program as a mixed institute of CSIC/UAM. Both institutions are today indisputable references for excellence (both on national and international levels) for their training of PhD students and research in the field of Theoretical Physics.

[info.doctorado.fisicateorica@uam.es](mailto:info.doctorado.fisicateorica@uam.es)

"Theoretical Physics" refers to a wide range of disciplines in the field of Fundamental Physics. It seeks an elementary understanding of the structure of matter as well as a profound understanding of the origin and evolution of the Universe. Among other disciplines, Theoretical Physics encompasses: Quantum encompasses: Quantum Field Theory, Theoretical and Experimental Physics of Fundamental Particles, Cosmology, Nuclear Physics, Theory of Gravity, Astrophysics, Astroparticle Physics, Condensed Matter Theory, Computational Physics, Quantum Mechanics, and others.

Those - as well as more specialized disciplines - form the basis of the research areas in which the participating professors are currently pursuing their work and which are also the fundamental elements inspiring this program.

The main objective of the PhD program in Theoretical Physics is the training in scientific research and the writing of a doctoral thesis.

### **Our website**

## **2.3.2. Doctoral Program in Condensed Matter Physics, Nanoscience, and Biophysics**

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

### **DESCRIPTION:**

This Inter-University Doctoral Program is offered jointly by the Universidad Autónoma de Madrid (Coordinator College), the Universidad de Murcia, and the Universidad de Oviedo. At UAM, both the Department of Condensed Matter Physics and the Department of Theoretical Condensed Matter Physics participate in the Program.

The main research lines are:

- Biophysics and Statistical Physics of Complex Systems.
- Nanoplasmonics, Nanoelectronics, and Quantum Optics.
- Low-temperature Physics (Superconductivity, Superfluidity).
- Surface Physics.
- First-principles Simulations and Modeling.

### **CONTACT**

Prof. Rubén PÉREZ  
Pérez,

Department of  
Theoretical Condensed  
Matter Physics  
[ruben.perez@uam.es](mailto:ruben.perez@uam.es)  
+34914974906

- Experimental Characterization of Physical Properties in Molecular and Biological Systems and Nanostructures.

PhD students develop their own research projects, working with their academic supervisor(s) and in collaboration with other postgraduate students and scientists in their research group, laboratory, and other research groups involved in the Doctoral Program.

Students are expected to complete and submit their thesis within three years (with a possible additional period of one year upon request to the Academic Committee).

English is the vehicular language used in all the activities of the Doctoral Program.

**Programme webpage**

## 2.4. Mathematics

### 2.4.1. PhD Program in Mathematics, Spanish, and English

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

**DESCRIPTION:**

Our research lines include (alphabetically):

- Algebraic geometry, Riemannian, and complex geometry
- Commutative algebra
- Differential equations and applications
- Financial mathematics
- Group theory
- Harmonic analysis, functional analysis, and complex analysis
- Inverse problems
- Mathematical logic
- Number theory
- Numerical methods
- Statistics and probability

**CONTACT**

Antonio CUEVAS  
[antonio.cuevas@uam.es](mailto:antonio.cuevas@uam.es)

**Programme website**

**Admission**

## 2.5. Engineering and Construction

### 2.5.1. PhD - Advanced Materials and Nanotechnology

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

**DESCRIPTION:**

The main objective of the doctorate program in Advanced Materials and Nanotechnology is the formation and training of researchers and specialists in the study, design, and fabrication of new materials with advanced optical and electronic properties by means of the more advanced tools developed recently in the nanotechnology field and with interest for the electronic or photonic industry.

This objective is of extreme relevance to meet the scientific challenges of these science branches in rapid expansion.

The program access will be the same for national and international students. Indeed, we already have international students in the doctoral program.

Bellow, you can find some specific requirements:

- 1) MSc (Master of Science) degree
- 2) CV
- 3) Cover letter explaining student motivation
- 4) English certificate (B2)
- 5) Marks (qualifications) in bachelor and master's degree

Research Seminars are in English.

**CONTACT:**

Maria DE LA O  
RAMIREZ HERRERO  
[mariola.ramirez@uam.es](mailto:mariola.ramirez@uam.es)

## 2.6. Health and Welfare

### 2.6.1. Food Science Ph.D. Program / Spanish and English

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

**DESCRIPTION:**

New trends in food and nutrition are directed to clear up the food-health binomial beyond classical nutrition goals and have achieved widespread interest in both the food industry and in society. The production of foods for specific health use establishes a crucial link between technological developments and studies related to the biological activity of these foods so as they can comply with recent

**CONTACT**

Tiziana FORNARI  
REALE  
[tiziana.fornari@uam.es](mailto:tiziana.fornari@uam.es)



European standards and can be integrated into the market. These new social trends and the productive food sector demand doctors with advanced training in food science and technology, and issues related to nutrition, microbiology, genetics, and biomedicine to be able to design and develop new products, with the scientific rigor that they demand, meeting all legislative requirements related with quality and efficacy, so they can be implanted in the market safely for the benefit of consumers, food industry and society.

The PhD Program in Food Science responds to this demand: training of specialists to produce advances in the area of food and health, using innovative technologies to minimize the environmental impact of the production system, and establishing the mechanisms of the biological action of food components, to certify quality and security. In summary, doctors capable of producing the technological leap necessary to improve the competitive and economic level of the food industry, with the ultimate aim of improving the quality of life and health population through food.

**Programme website**

## 2.6.2. Ph.D. Programme in Pharmacology and Physiology

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

**DESCRIPTION:**

The Programme already hosts international candidates. Spanish language is recommended but is not a requisite for doctoral training under our Programme.

**The MSc in Pharmacological Research** is also fully delivered in English.

**Our website**

**CONTACT**

Concepción PEIRÓ  
Antonio CARCAS  
[concha.peiro@uam.es](mailto:concha.peiro@uam.es)

## 2.6.3. Ph.D. in Epidemiology and Public Health

**UNIVERSITY:** UNIVERSIDAD AUTÓNOMA DE MADRID

**DESCRIPTION:**

The main objective of this programme is to train top researchers who are able to generate new and relevant knowledge about the frequency and determinants of health disorders and health services use. Also, these researchers should be able to transfer this knowledge into specific actions to improve the population's health.

**CONTACT**

Fernando Rodríguez  
ARTALEJO



Co-funded by the  
Erasmus+ Programme  
of the European Union



Main research topics:

- Epidemiology of chronic diseases
- Epidemiology of infectious diseases
- Socioeconomic determinants of health and health inequities
- Health services research
- Ageing, disability, and dependency

[fernando.rartalejo@uam.es](mailto:fernando.rartalejo@uam.es)

The core of the PHD program is to conduct internationally competitive research directly supervised by an investigator who is fluent in Spanish and English.

There is the possibility to attend excellent postgraduate courses within and outside the UAM taught in English. We also participate in a biannual PhD Research Symposium in Health Sciences and Biomedicine

**Details**

**Our web page**

**Application**

## Acknowledgments

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Name.....

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Name.....

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Name.....

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Name.....

### Universidad Autónoma de Madrid (Spain)

Name.....

### Sapienza Università di Roma (Italy)

Name.....

### Stockholm University (Sweden)

Name.....

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Name.....