

2.6 Natural sciences, mathematics and statistics

Title	Partner universities involved	Level	ECTS	Programme website
4Cities - Master Degree in Urban Studies	Vrije Universiteit Brussels University of Copenhagen University of Vienna Université libre de Bruxelles Universidad Autonoma de Madrid Universidad Complutense de Madrid	MA	120	https://compmat.unipv.it/
AES - Applied Environmental sciences	University of Science and Technology of Hanoi University of Poitiers	MA	120	https://www.criticalearth.eu/
ALGANT - Algebra, Geometry and Number Theory	University of Leiden University of Bordeaux University of Duisburg-Essen University of Milano University of Padova University Paris Sud University of Regensburg Chennai Mathematical Institute Concordia University et al. Stellenbosch University and AIMS	MA	120	https://deepice.cnrs.fr/

AMIR - Advanced Materials: Innovative Recycling	University of Bordeaux NOVA University of Lisbon TU Darmstad University of Liège Technical University of Madrid University of Miskolc	MA	120	https://each.ut.ee/EACH/
ASC - Advanced Spectroscopy in Chemistry	University of Lille Leipzig University University of Helsinki Jagiellonian University of Krakow University of Bologna	MA	120	https://ecorisk2050.eu/
Biology	Alexandru Ioan Cuza University of Iasi Moldova State University	BA	180	https://biologie-ecologie.com/master-bee/parcours-egen/
Biotechnology	Universitat Politècnica de Catalunya Ecole de Biologie Industrielle	BA	240	www.erasmus-master.emimeo.eu
Biotechnology/Diplôme d'Ingénieur	Catholic University of Valencia École de Biologie Industrielle	BA + MA	300	https://www.asp.uni-jena.de/msc-application
CHARMING - European Training Network for Chemical Engineering Immersive Learning	Katholieke Universiteit Leuven Newcastle University Utrecht University IT University of Copenhagen Hochschule Emden	PhD	N/A	https://enchil.net/
Chemistry	Alexandru Ioan Cuza University of Iasi Moldova State University	BA	180	https://www.univ-poitiers.fr/en/find-a-course/academic-programs/masters-degrees/



Chemistry Speciality Water Quality and Treatment	University of Bayrouth University of Poitiers	MA	120	https://master-spe.univ-lr.fr/en/enseignements/costarica/
Chemoinformatics+	Université de Strasbourg University of Paris NOVA University of Lisbon University of Ljubljana Bar-Ilan University Taras Schevchenko National University of Kyiv University of Milan	MA	120	https://www.univ-larochelle.fr/en/international/programmes/international-agreements/
ChickenStress European Training Network	Newcastle University Universitat de Lleida Institut de Ricerca Biomedica Scotland's Rural College Universität Bern Open university of Israel Norwegian University of Life Sciences Utrecht University Flanders Research Institute for agriculture, fisheries and food Hendrix Genetics Trinity College Dublin University of St. Andrews	PhD	N/A	https://www.europhotonics.org/wordpress/
ChIR - Chemical Innovation and Regulation	University of Algarve University of Bologna University of Barcelona	MA	120	https://www.eu-conexus.eu/en/marine-biotechnology/

CNE - Chemical Nanoengineering	Aix Marseille University Wroclaw University of Science and Technology University of Rome Tor Vergata	MA	120	https://www.evobio.eu/
Computational Mathematics and Decision Sciences	University of Pavia Università della Svizzera Italiana	PhD	N/A	https://www.fluidnet.eu/
CriticalEarth - Critical Transitions in the Earth System	University of Copenhagen Technische Universität München Utrecht University Computense University of Madrid Freie Universität Berlin University of Exeter University of Reading	PhD	N/A	https://www.utu.fi/en/study-at-utu/masters-degree-programme-in-food-development
Deepice	Centre National de la Recherche Scientifique France Alfred Wegener Institute University of Bergen University of Bern Utrecht University University of Venice University of Bruxelles University of Copenhagen University of Lund UKRI-BAS	PhD	N/A	https://www.fame-master.eu/

EACH - Excellence in Analytical Chemistry	University of Tartu University Claude Bernard Lyon 1 Uppsala University Åbo Akademi University	MA	120	https://www.uaic.ro/en/studies/faculties/faculty-geography-geology/
ECORISK2050 - Environmental Risks of Chemicals in the Future	Utrecht University University of York University of Natural Resources and Life Sciences, Vienna Norwegian Institute for Water Research University of Stockholm Institute IMdea Water, Madrid The Hebrew University of Jerusalem	PhD	N/A	https://formations-en.umontpellier.fr/fr/formations/master-XB/master-gestion-de-l-environnement-KKICL68U/gestion-integree-de-l-environnement-de-la-biodiversite-et-des-territoires-KKICMGCL.html
EGEN - Biodiversité, Ecologie et Evolution, Parcours	Université de Montpellier Université du Québec en Abitibi-Témiscamingue	MA	120	https://corsi.unibo.it/2cycle/GreeningEnergyMarketFinance
EMIMEO - Electronics, Waves and Microoptics	University of Limoges University of Brescia University of the Basque Country Technical University of Cluj Napoca ASTON University	MA	120	https://aquah.eu/
EMIMEO - Innovative Microwave Electronics and Optics	University of Jena University of Limoges University of Brescia Universidad del Pais Vasco	MA	120	https://sfa.univ-poitiers.fr/master-materiaux-mineraux-imals/

EnCHiL - Environmental Changes at Higher Latitudes	Agricultural University of Iceland Greenland Institute of Natural Resources University of Oulu University of Helsinki Estonian University of Life Sciences Aarhus University Lund University	MA	120	https://www.imaee.online/
Energies	University of Science and Technology of Hanoi University of Poitiers	MA	120	https://www.imaee.online/
Environmental Sciences	La Rochelle Université University of Costa Rica	MA	120	www.imapp.eu
Environmental Sciences	La Rochelle Université Diponegoro University	MA	120	http://www.imbrsea.eu
Erasmus Mundus Master in Photonics	Université Aix-Marseille Universitat Politècnica de Catalunya Universitat Autònoma de Barcelona Universitat de Barcelona Karlsruhe Institut of Technology Vilnius University Tampere University	MA	120	https://studiekiezer.ugent.be/international-master-of-science-in-soils-and-global-change-soil-biogeochemistry-and-global-change-en/2022



<p>EU-CONEXUS Marine Biotechnology</p>	<p>Catholic University of Valencia South East Technological University La Rochelle University University of Zadar University of Rostock Klaipeda University Technical University of Civil Engineering Agricultural University of Athens Frederick University</p>	<p>MA</p>	<p>120</p>	<p>https://innocypes.eu/</p>
<p>Evolutionary Biology</p>	<p>University of Groningen Uppsala University Ludwig Maximilians University Munich University of Montpellier Harvard University University of Lausanne</p>	<p>MA</p>	<p>120</p>	<p>https://www.innovativemedicine.eu/</p>

FluidNET	Vrije Universiteit Amsterdam Westfälische Wilhelms Universität Münster The Open University, Milton Keynes Rheinische Westfälische Technische Hochschule Aachen Università degli studi Milano Bicocca Naturalis Biodiversity Center, Leiden Amphos21 Consulting S.L., Barcelona Utrecht University	PhD		https://corsi.unibo.it/1cycle/StatsMaths/opportunities-international-degree-programme
Food Development	University of Turku Jiagnan University	MA	120	https://www.univ-poitiers.fr/en/find-a-course/academic-programs/bachelors-degrees/
Functional Advanced Materials Engineering with Artificial Intelligence for Sustainability (FAMEAIS)	Grenoble Institute of Technology TU Darmstadt University of Aveiro University of Augsburg University of Bordeaux University of Liège Université Catholique de Louvain	MA	120	https://www.mamaself.eu/
Geography	Moldova State University Alexandru Ioan Cuza University of Iasi	BA	180	https://mamme.masters.upc.edu/en/general-information

GIEBioTE - Gestion Intégrée de l'Environnement, de la biodiversité et des Territoires	Université de Montpellier Université de Sherbrooke	MA	120	https://international.univali.br/school-of-sea-science-and-technology
Greening Energy Market and Finance	University of Bologna Ludwig-Maximilians-University Muenchen Université Paris Dauphine	MA	120	https://www.uaic.ro/en/studies/faculties/faculty-mathematics/
Health Management in Aquaculture (AquaH)	Ghent University Universitat Autònoma de Barcelona Universitat de Barcelona Norges Teknisk-Naturvitenskapelige Universitet Wageningen University	MA	120	https://www.aalto.fi/en/programmes/masters-programme-in-mathematics-and-operations-research
IMACS - International Master in Clay Sciences	University of Poitiers Technical University of Crète University of Aveiro	MA	120	http://www.em3e-4sw.eu/em3e/index.php
IMAE - International Master in Applied Ecology	University of Poitiers University of Kiel University of East Anglia University of Coimbra	MA	120	https://formations.umontpellier.fr/plugins/odf-web/um1/_content/program-fruai0342321nprme156.pdf
IMAE - International Master of Science in Applied Ecology	University of Coimbra Kiel University University of East Anglia Federal University of Rio Grande do Sul University of Saskatchewan University of Sao Paulo	MA	120	https://www.nanoremedi.eu/

IMAPP - Advanced Methods in Particle Physics	TU Dortmund University of Clermont Auvergne University of Bologna	MA	120	https://www.emm-nano.org/
IMBRSEA - International Master of Science in Marine Biological Resources	Ghent University University of Sorbonne University of Algarve University of Oviedo Atlantic Technological University University of the Basque Country Polytechnic University of Marche University of Bergen University of Western Brittany University of Côte d'Azur University of Gothenburg	MA	N/A	https://itgmf.ku.lt/en
IMSOGLO - Science in Soils and Global Change	Aarhus University University of Natural Resources and Life Sciences University of Göttingen Ghent University	MA	120	https://www.neurasmus.u-bordeaux.fr/

Innocypes - Innovative Tools for Cyber-Physical Energy Systems	Technical University of Denmark University of Utrecht Electricite de France Delft Technical University Dansk Energy Austrian institute of technology Siemens Typhoon	PhD	N/A	https://ec.europa.eu/programmes/erasmus-plus/project-result-content/9250238c-424d-47f4-90c2-a5f5b913e8a6/Result11_Neurasmus_Flyer.pdf
Innovative Medicine (Local part: Translational Medical Research)	University of Groningen University of Heidelberg Uppsala University	MA	120	https://nl4xai.eu/
International Curriculum Stats&Maths	University of Bologna University of Glasgow	BA	180	https://www.emm-nucphys.eu/
Life Sciences, Earth Sciences, Engineering Sciences, Chemistry	University of Poitiers Universidad Libre de Bogotá	BA	180	https://www.utu.fi/en/news/news/introducing-new-international-masters-degree-programme-physical-and-chemical-sciences
MaMaSELF2 - Materials Science powERed by Large-Scale Facilities	University Rennes 1 University of Montpellier Technische Universität München Ludwig Maximilians Universität in Munich University of Torino Adam Mickiewicz University	MA	120	https://corsi.unibo.it/2cycle/Physics/opportunities-international-degree-programme

MAMME - Advanced Mathematics and Mathematical Engineering / MSIAM - Master of Science in Industrial and Applied Mathematics	Universitat Politècnica de Catalunya Université Grenoble Alpes	MA	120	https://www.physik.fu-berlin.de/en/studium/master/doppelmaster/index.html
Marine Sciences/Oceanography	Catholic University of Valencia Universidade do Vale do Itajaí	BA	240	https://www.uaic.ro/en/studies/faculties/faculty-physics/
Mathematics	Moldova State University Alexandru Ioan Cuza University of Iasi	BA	180	www.pcs.polito.it
Mathematics and Operations Research - Applied Mathematics-Systems and Operations Research	University of Aalto Grenoble Institute of Technology	MA	120	https://www.unimi.it/en/education/plant-science
Membrane Engineering for a Sustainable World	Université de Montpellier Université Toulouse 3 Paul Sabatier University of Chemistry and Technology Prague NOVA University of Lisbon Universidad de Zaragoza University of Twente	MA	120	https://h2020-p-trap.eu/
MIE - International d'Entomologie vectorielle : écologie et contrôle	Université de Montpellier Université Alassane Ouattara	MA	120	https://www.kuleuven.be/programmes/master-radiation-effects-microelectronics-photonics-technologies-radmep



NanoReMedi - Functional Nano-Scaffolds for Regenerative Medecine	University of Milan University of Pavia Universitat Politècnica de Catalunya The Hebrew University Jerusalem Université de Montpellier IC nanoGUNE	PhD	180	https://www.uaic.ro/en/studies/faculties/faculty-mathematics/
Nanoscience and Nanotechnology (EM Nano+)	Technische Universität Dresden Universitat de Barcelona Katholieke Universiteit Leuven Université Grenoble Alpes Chalmers Tekniska Högskola AB	MA	120	https://www.sand.uio.no/
Natural Sciences, Ecology and Environmental Sciences	University of Parma Klaipeda University	PhD	240	https://web.ub.edu/en/web/estudis/w/masteruniversitari-M070F???%20peu.flickr.url
Neurasmus - European Master in Neuroscience	University of Bordeaux Vrije Universiteit Amsterdam University of Coimbra Göttingen Graduate School for Neurosciences, Biophysics, and Molecular Biosciences Charité-Universitätsmedizin Berlin University of Ottawa	MA	120	https://www.eiturbanmobility.eu/smart-mobility-data-science-and-analytics/

Neuroscience	University of Coimbra Vrije Universiteit Amsterdam Charité-Universitäts medizin Berlin Bordeaux University Göttingen Graduate School for Neurosciences Biophysics, and Molecular Biosciences	MA	120	https://www.smartx-itn.eu/
NL4XAI - Interactive Natural Language Technology for Explainable Artificial Intelligence	CiTUS Research Center in Intelligent Technologies University of Santiago de Compostela University of Aberdeen Delft University of Technology Centre national de la Recherche Scientifique University of Malta Utrecht University Warwas University of Technology University of Twente	PhD	N/A	https://formations.univ-poitiers.fr/fr/index/master-XB/master-XB/master-chimie-JAMJYNJJ/parcours-erasmus-mundus-sustainable-catalysis-sucate-KIFR28AC.html#:~:text=The%20aim%20of%20SuCat%20is%20to%20train%20and,interdisciplinary%20and%20overarching%20technology%20in%20the%20chemical%20industry.
Nuclear Physics	University of Sevilla Universidad Autónoma de Madrid Universitat de Barcelona Complutense de Madrid Université de Caen Basse-Normandie University of Padua University of Catania	MA	120	https://www.emtccm.org

Physical and Chemical Sciences	University of Palermo University of Turku	MA	120	https://www.emtccm.org/
Physics	University of Bologna Sorbonne Université	MA	120	https://www.uaic.ro/en/studies/degrees-on-offer-in-english-and-french/faculty-geography-geology-french-english-master-programmes/tourisme-et-developpement-regional/
Physics	Freie Universität Berlin École Polytechnique	MA	120	https://www.univ-larochelle.fr/en/international/programmes/duals-degrees/
Physics	Moldova State University Alexandru Ioan Cuza University of Iasi	BA	180	https://www.univ-poitiers.fr/en/find-a-course/academic-programs/masters-degrees/
Physics of Complex Systems	Politecnico di Torino Scuola Internazionale Superiore di Studi Avanzati International Center for Theoretical Physics Sorbonne Université Université Paris Cité Université Paris Saclay	MA	120	https://www.uni-giessen.de/en/study/courses/master/globalchange/index_html-en
Plant Science / Plant-International	University of Milan University of Grenoble-Alpes	MA	120	https://eetac.upc.edu/en/study/masters-degrees/masteam



<p>P-TRAP - Diffuse phosphorus input to surface waters – new concepts in removal, recycling and management</p>	<p>Utrecht University University of Bayreuth EAWAG Aquatic research Universidad de Sevilla University of Vienna GEOS Deltares University of Manchester Katholieke Universiteit Leuven Bavarian Research Alliance Fertiberia Geoteam ARcadis ETH Zürich</p>	<p>PhD</p>	<p>N/A</p>	<p>https://www.wirtschaftsinformatik.uni-rostock.de/en/studies-and-teaching/study-programmes/bsc-business-information-systems-engineering/</p>
<p>Radiation and its Effects on MicroElectronics and Photonics Technologies</p>	<p>University Jean Monnet Université de Montpellier University of Jyväskylä Katholieke Universiteit Leuven</p>	<p>MA</p>	<p>120</p>	<p>https://codas.tecnico.ulisboa.pt</p>
<p>Research in Mathematics</p>	<p>Moldova State University Alexandru Ioan Cuza University of Iasi</p>	<p>MA</p>	<p>120</p>	<p>https://www.unite-codas-master.eu/</p>

<p>SAND - Secretion Autophagy and the role in NeuroDegeneration</p>	<p>University of Oslo Innsbruch Medical University Ludwig Maximillians University Utrecht University University of Milan Karolinska Institute University of Bern Leibniz Institute on Ageing Jena CellstressDiscoveries EPFL Cambridge Institute for Medical Research University of Edinburgh PreDiagnostics</p>	<p>PhD</p>	<p>N/A</p>	<p>https://www.aalto.fi/en/study-options/communications-and-data-science-master-of-science-technology</p>
<p>Science and Integrated Water Management</p>	<p>University of Barcelona University of Montpellier</p>	<p>MA</p>	<p>120</p>	<p>https://www.tugraz.at/en/studying-and-teaching/studying-internationally/incoming-students-exchange-at-tu-graz/mobility-programmes/joint-and-double-degree-programmes</p>
<p>Smart Mobility Data Science and Analytics</p>	<p>Universitat Politècnica de Catalunya Eindhoven University of Technology Ghent University Politecnico di Milano University of Tartu</p>	<p>MA</p>	<p>120</p>	<p>https://www.aalto.fi/en/study-options/machine-learning-data-science-and-artificial-intelligence-computer-communication-and-information</p>

<p>SMART-X - Study of carrier transport in MAterials by time-Resolved specTroscopy with ultrashort soft X-ray light</p>	<p>Consiglio Nazionale delle Ricerche Forschungsve Rbund Berlin CNRS Utrecht University University of Stockholm ICFO Istituto Italiano di Technologia Elettra Trieste National Center for Scientific Research Demokritos Max Planckgesellschaft zur Forderung der Wissenschaften Fastlite SAS Greateyes GmbH</p>	<p>PhD</p>	<p>N/A</p>	<p>https://www.aalto.fi/en/study-options/communications-engineering-computer-communication-and-information-sciences-master-of-science</p>
<p>SUCAT - Sustainable Catalysis</p>	<p>University of Poitiers University of Aveiro in Portugal University of Rovira i Virgili in Spain</p>	<p>MA</p>	<p>120</p>	<p>https://masterschool.eitdigital.eu/</p>
<p>Theoretical Chemistry and Computational Modelling</p>	<p>University Autonomous of Madrid University of Toulouse Universitat de Barcelona Katholieke Universiteit Leuven University of Groningen University of Perugia University of Triste Sorbonne Université University of Valencia</p>	<p>MA</p>	<p>120</p>	<p>https://masterschool.eitdigital.eu/cyber-security</p>

Theoretical Chemistry and Computational Modelling - Química Teòrica i Modelització Computacional	Universidad Autónoma de Madrid Katholieke Universiteit Leuven Sorbonne Université Université Paul Sabatier Toulouse III Università degli Studi di Perugia Università degli Studi di Trieste Rijksuniversiteit Groningen Universitat de Barcelona València Estudi General	MA	120	https://masterschool.eitdigital.eu/
Tourisme et Developpement Regional	Alexandru Ioan Cuza University of Iasi University of Angers University of Orleans	MA	120	https://corsi.unibo.it/magistrale/informatica/double-master-programme-in-computer-science-with-the-university-of-bielefeld-germany
Water - Environment - Oceanography	La Rochelle University University of science and Technology of Hanoi	MA	120	https://www.utu.fi/en/study-at-utu/masters-degree-programme-in-information-and-communication-technology-software-engineering
Water-environment oceanography	University of Science and Technology of Hanoi University of Poitiers	MA	120	https://www.tuas.fi/en/services/products/tsue-turku-uas-double-degree-bachelor-engineering/#::~:~:text=TSUE-Turku%20UAS%20Double%20Degree%3A%20Bachelor%20of%20Engineering%20in,Degree%20studies%20take%20place%20in%20Uzbekistan%20and%20Finland.



Global Change: Ecosystem Science and Policy	University College Dublin Justus-Liebig Universität Giessen	MA	120	https://admission.usth.edu.vn/master-in-information-and-communication-technology-ict-372/
Chemistry	University of Milan Université de Strasbourg Université Paris Cité	MA	120	https://formations.univ-larochelle.fr/computers-web-images-telecommunications?lang=en
Chemistry	University of Milan Université de Strasbourg	MA	120	https://miit.unikl.edu.my/student-life-2/



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