



**University of Minho**

Braga · Guimarães  
Portugal

**i'm  
on it!**

**master and PhD degrees  
executive business education**



did  
you know  
that...



portugal significantly values entrepreneurship

attested by the creation of several business incubators?

portuguese language

is spoken by about 230 million people around the world and is the official language of 9 countries?

braga

is one of the ancient cities in portugal, where you can still find many archaeological remains?

portugal is a united nations case study in terms of e-governance

and its availability of online public services?

braga's markedly young population has led to its nomination as european capital of youth

by the european youth forum in 2012?

braga is the 3th largest metropolitan area in portugal, with about 181 thousand inhabitants, being the capital of minho's region?

guimarães

is a city with an outstanding historical past, associated to the foundation and identity of the Portuguese nationality, being proudly recognised as "portugal's cradle"?

guimarães' historical centre was classified by UNESCO, in 2001, as a

world heritage site?

in 2012, guimarães was one of the european capitals of culture?

A close-up portrait of a young woman with dark hair pulled back, wearing black-rimmed glasses and a green t-shirt. She is smiling broadly, showing her teeth. The background is a plain, light-colored wall. On the right side of the image, there are several horizontal dotted lines. The text "did you know that..." is overlaid in the lower right quadrant in a white, sans-serif font.

did  
you know  
that...

# university of minho

has over 19500  
students of which over

**1300 are  
international  
students?**

is a comprehensive  
university with  
**11 schools  
and institutes?**

has partnerships with over  
**400 universities**  
from all around the world?

has **32 research  
centers** most of which classified  
as “very good”, “excellent”  
or “outstanding”?

promotes over  
**500 cultural  
events/year?**

**registers  
30 patents/year?**

has **1 orchestra?**

was the 1<sup>st</sup> portuguese  
university to publish its  
**sustainability report?**





**University of Minho**  
Braga · Guimarães  
Portugal

**i'm  
on it!**

UMinho is a young and vibrant Portuguese university which was founded in 1973. It has three campi located in two charming and historic cities, Braga and Guimarães. UMinho is a successful and inclusive university that has its doors open to international students seeking a higher education institution of high quality, strongly anchored in top research, and with a warm interpersonal environment.

**Come study with us!**





culture  
science  
excellence  
multiculturalism  
challenge  
future  
sport  
knowledge  
education  
development



**University of Minho**

Braga · Guimarães

Portugal

# UMinho among the world's best universities

As a recognition of its quality, UMinho has been featuring year after year, among the best universities in the Times Higher Education (THE) world ranking, placed in the top 150 world universities under 50 years, as well as in the reputed CWTS Leiden Ranking, which assesses the quality and impact of scientific production worldwide.

# UMinho /AAUM is the best of Europe in sports

In 2012, UMinho was ranked first in the European University Sports Association (EUSA) ranking, which includes 400 academies. This prestigious award results from the combined efforts of the University and its Students Union (AAUM).

-8

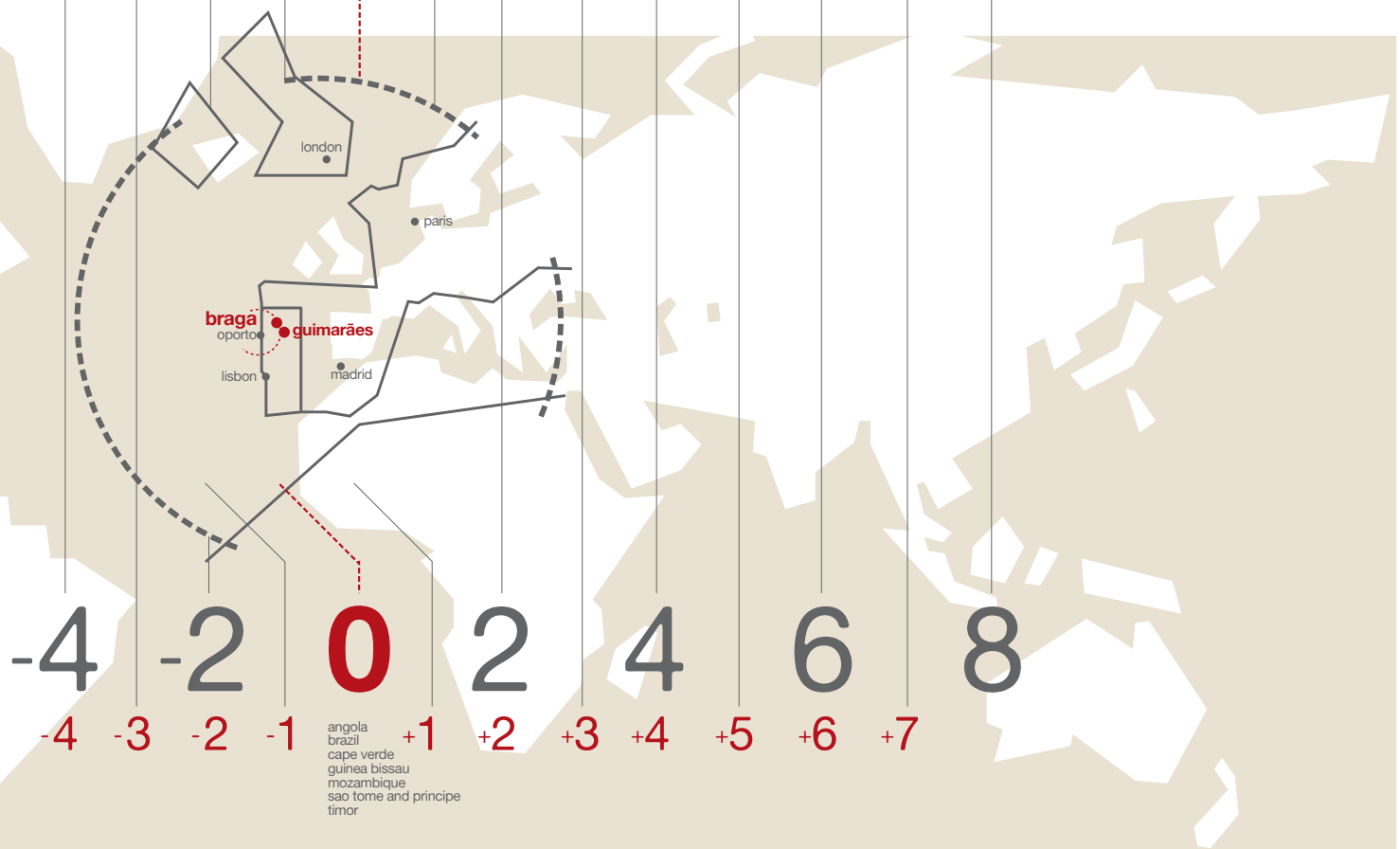
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# study abroad with our mobility programs

UMinho firmly invests in the internationalisation of education, by having partnerships with more than 400 universities around the world and by integrating several international cooperation networks. Our students are offered many opportunities to study abroad through exchange programs such as ERASMUS+ for study periods that vary between 3 to 12 months.



**University of Minho**

Braga · Guimarães

Portugal

# support and resources for internacional students

# international student support desk

The International Student Support Desk is a helpful resource available to all UMinho's international students. It aims to be the starting point to handling issues and problems that students face on their daily life at the university, either by providing an immediate response, or by offering the adequate guidance to the various UMinho services, such as the Academic Services or the International Relation Services.

—  
Contact us on [balcao\\_ei@reitoria.uminho.pt](mailto:balcao_ei@reitoria.uminho.pt)  
or on +351 253 601 055

# language centre

## babeliUM

BabeliUM - UMinho's Language Centre - offers short- and long-term Portuguese language courses to international students. BabeliUM has innumerable language and culture courses available to everyone at UMinho as well as to the general public.

—  
For more information, visit  
<http://babelium.ilch.uminho.pt>

## accommodation

UMinho has 4 university halls of residence - “Lloyd Braga” and “Santa Tecla” at Braga, as well as “Azurém” and “Combatentes” at Guimarães. These offer all the necessary conditions for academic success and the well being of students, including dining rooms, laundry, study rooms and wireless internet broadband.

For more information, visit [www.sas.uminho.pt](http://www.sas.uminho.pt)

—  
UMinho has also a collaboration protocol with Uniplaces, which supports students in the search for private accommodation.

For more information, visit <https://www.uniplaces.com>



## food facilities

UMinho has several canteens and bars in Braga and Guimarães, both at the Campi as well as at the halls of residence. There is also a University restaurant at Gualtar Campus and Azurém Campus.

—  
For more information, visit [www.sas.uminho.pt](http://www.sas.uminho.pt)

## sports

UMinho has a strong tradition and is very successful at sports, which is reflected on more than 60 physical activities offered in several facilities at Braga and Guimarães. So, no excuse! Come and exercise for a healthy body and mind.

—  
For more information, visit [www.sas.uminho.pt](http://www.sas.uminho.pt)





**University of Minho**

Braga · Guimarães

Portugal

so why  
should I go  
to study  
at UMinho?

**because...**

Portugal is a **very safe** country;

Portugal is located in an **excellent spot**  
in the European Union, by the sea, and with very easy and cheap  
access to other European countries;

The Portuguese **climate** is very enjoyable;

Portuguese people are **very warm**  
towards non nationals;

UMinho is a very dynamic university where education  
and research are very much intertwined and everyone can witness  
the  
**creation of knowledge;**

The living conditions for students at Braga  
and Guimarães are very good and  
**affordable.**

so our final question  
to you is: **why not?**



**University of Minho**

Braga · Guimarães

Portugal

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executive  
business education

UMinho Exec



**University of Minho**

Braga · Guimarães

Portugal

# master degrees





**University of Minho**  
Institute of Arts and Humanities

institute of

# arts and humanities

[www.ilch.uminho.pt](http://www.ilch.uminho.pt)



## cultural

and literary mediation

**entry requirements:** Bachelor.

## english

language, literature  
and culture

### evening course

**entry requirements:** Bachelor in English,  
or related fields.

## intercultural

studies in portuguese  
and chinese:  
translation, education  
and communication

**entry requirements:** Bachelor in Oriental  
Languages and Cultures / Oriental  
Studies, with the minimum level of  
Chinese HSK IV.

## lexicography

(erasmus mundus european master)

**entry requirements:** Bachelor in related  
fields.

## literary

theory and  
lusophone literatures

**entry requirements:** Bachelor.

## portuguese

- german studies

**entry requirements:** Bachelor in related  
fields

## portuguese

as non-native language  
portuguese as foreign  
and second language

**entry requirements:** Bachelor.

## translation

and multilingual  
communication

**entry requirements:** Bachelor.

## sciences

of language

**entry requirements:** Bachelor in Arts,  
or related.

## spanish

second language  
and foreign language

**entry requirements:** Bachelor in Arts  
or related fields.



University of Minho  
Institute of Education

institute of

education

[www.ie.uminho.pt](http://www.ie.uminho.pt)







# 1. academic masters

## 1.1 masters in educational sciences

area of specialization in  
**educational  
administration**

**entry requirements:** Bachelor in Education/Educational Sciences or related fields, Childhood Teachers or professionalized Basic and Secondary Education Teachers, Education Inspectors and Higher Education Teachers.

area of specialization in  
**evaluation**

**entry requirements:** Bachelor in Education/Educational Sciences, or related fields, professionals who work within educational organizations or with educational or training value; Childhood Teachers or professionalized Basic and Secondary Education Teachers.

area of specialization in  
curriculum  
development and  
**educational  
innovation**

**evening course**

**entry requirements:** Bachelor in Teaching, with professional qualifications to teach in Childhood Education, in Basic and Secondary Education; Master in Teaching with professional qualifications to teach in Childhood Education, in Basic and Secondary Education; Basic Education and Secondary Education; Bachelor in Education, Educational Sciences or related fields.

area of specialization in  
**pedagogical  
supervision**  
in language teaching

**entry requirements:** Master or Bachelor in Teaching with professional teaching qualifications in the following groups of recruitment: 200 (Portuguese and Social Studies / History), 210 (Portuguese and French), 220 (Portuguese and English) of the 2<sup>nd</sup> cycle of Basic Education; 300 (Portuguese), 310 (Latin and Greek), 320 (French), 330 (English), 340 (German) and 350 (Spanish), of the 3<sup>rd</sup> cycle of Basic Education and Secondary Education; Master, Bachelor, or equivalent, conferring professional qualification for teaching in Pre-school Education and / or in the 1<sup>st</sup> cycle of Basic Education.

area of specialization in  
**adults  
education**

**entry requirements:** Bachelor in Education or in Educational Sciences; holders of Bachelor in Childhood Education or in Teaching; holders of other Bachelors, provided that they have on their resume the equivalent to 5 ECTS in a scientific field of Education.

area of specialization in  
**health  
education**

**evening course**

**entry requirements:** Bachelor, in Nursing, Nursing Sciences, or other health fields, Education/ Educational Sciences, Childhood Education or Teaching.

area of specialization in  
**educational  
technology**

**entry requirements:** Bachelor in Teaching, which provides professional qualification for teaching in Childhood Education, in Basic and Secondary Education; holders of a Master in Teaching (D.L No. 43/2007); holders of a Bachelor in Education / Educational Sciences or related fields.

area of specialization in  
**pedagogical  
supervision**  
in science education

**entry requirements:** Holders of a Master in Teaching; Bachelor in Teaching with professional teaching qualifications in the following groups of recruitment : 230 (Mathematics and Natural Sciences), the 2<sup>nd</sup> cycle of basic education; 510 (Physics and Chemistry) and 520 (Biology and Geology), the 3<sup>rd</sup> cycle of Basic Education and Secondary Education; b) Holders of a Master, Bachelor qualification, conferring professional qualification for teaching in Pre-School Education and / or the 1<sup>st</sup> cycle of Basic Education (recruitment groups: 100 and 110).

area of specialization in

**pedagogical  
supervision**  
in mathematics  
education

**entry requirements:** Holders of a Master in Teaching; Bachelor in Teaching with professional teaching qualifications in the following groups of recruitment : 230 (Mathematics and Natural Sciences), the 2<sup>nd</sup> cycle of Basic Education; 500 (Mathematics), the 3<sup>rd</sup> cycle of Basic Education and Secondary Education; b) Holders of a Master, Bachelor qualification, conferring professional qualification for teaching in Pre-School Education and / or the 1<sup>st</sup> cycle of Basic Education (recruitment groups: 100 and 110).



## 1.2 masters in **special education**

area of specialization in

### **early intervention**

**entry requirements:** Bachelor in Education, Teaching, Psychology, Special Education and Rehabilitation, workers from social services, speech therapy, occupational therapy, physical therapy, nursing or related fields. Access to the course requires passing a test whose date will be announced in due course.

area of specialization in

### **special educational needs**

in the cognitive-motor  
domain

**evening course**

**entry requirements:** Bachelor in Education, Teaching, Psychology, Special Education and Rehabilitation, workers from social services, speech therapy, occupational therapy, physical therapy, nursing or related fields. Access to the course requires passing a test whose date will be announced in due course.

## 1.3 masters in **child studies**

area of specialization in

### **psychosocial intervention with children, youths and families**

**entry requirements:** Bachelor in Education, Teaching, Psychology, Sociology, Social Work, Nursing, Law or other fields that enable to professional practice with / or oriented to children.

## 2. **professional masters**

### 2.1 masters in **education**

area of specialization in

### **educational mediation and supervision in training**

**entry requirements:** Bachelors in Education/ Educational Sciences; Bachelors in Social and Humane Sciences and other Bachelors.

area of specialization in

### **training, work and human resources**

**normal e evening course**

**entry requirements:** Bachelors in Education/ Educational Sciences; Bachelors in Social and Humane Sciences and other Bachelors.

area of specialization in

### **adult education and community intervention**

**entry requirements:** Bachelors in Education/ Educational Sciences; Bachelors in Social and Humane Sciences and other Bachelors.

### 3. masters in teaching

#### (initial teacher training)

In addition to the listed Entry requirements, it is also a condition of access to masters' courses in teaching the approval of a proof of written and oral mastery of the Portuguese language. The date of the test will be announced in due course on the website of the Education Institute.

### portuguese and foreign language teaching in the 3<sup>rd</sup> cycle of the basic education and in the secondary school

area of specialization in Spanish and area of specialization in English

**entry requirements:** Bachelor and 80 to 100 credits in Portuguese and 60 to 80 credits in Spanish or 60-80 credits in English.

### english and spanish teaching in the 3<sup>rd</sup> cycle of basic education and in the secondary school

**entry requirements:** Bachelor and 80 to 100 credits in English and 60 to 80 credits in Spanish.

### biology and geology teaching in the 3<sup>rd</sup> cycle of basic education and in the secondary school

**entry requirements:** Bachelor and 120 credits in the set of the two disciplinary fields (Biology and Geology) and none with less than 50 credits.

### physical education teaching in basic education and in the secondary school

**entry requirements:** Bachelor and 120 credits in Physical Education and Sport.

teaching of

### physics and chemistry in secondary school

**entry requirements:** Bachelor and 120 credits in the set of the two disciplinary fields (Physics and Chemistry) and none with less than 50 credits.

### mathematics teaching in the 3<sup>rd</sup> cycle of basic education and in the secondary school

**entry requirements:** Bachelor and 120 credits in Mathematics.

**history  
teaching in**  
the 3<sup>rd</sup> cycle of basic  
education and in the  
secondary school

**entry requirements:** Bachelor and 120  
credits in History.

**1<sup>st</sup> cycle of  
basic teaching**  
and portuguese, history  
and geography in  
the 2<sup>nd</sup> cycle of basic  
education

**entry requirements:** Bachelor in Basic  
Education.

**1<sup>st</sup> cycle of  
basic teaching**  
and natural sciences  
and mathematics  
teaching in the 2<sup>nd</sup> cycle  
of basic education

**entry requirements:** Bachelor in Basic  
Education.

**philosophy  
teaching**  
in the secondary school

**entry requirements:** Bachelor and 120  
credits in Philosophy.

**english  
teaching in**  
the 1<sup>st</sup> cycle of basic  
education

**entry requirements:** admission  
conditions follow the provisions of Article  
7 of Decree-Law 176/2014 in conjunction  
with paragraph 3 of Article 18 of Decree-  
Law 79/2014. Candidates must have  
a Bachelor degree qualification and a  
minimum of 80 credits in English.

**portuguese  
teaching in**  
the 3<sup>rd</sup> cycle of  
basic education and  
secondary school

**entry requirements:** Bachelor and 120  
credits in Portuguese.

**pre-school  
and basic  
education**  
primary school

**entry requirements:** Bachelor in Basic  
Education.

**pre-school  
education**

**entry requirements:** Bachelor in Basic  
Education.

**informatics  
teaching**

**entry requirements:** Bachelor and 120  
credits in Informatics.

**music teaching**

**entry requirements:** Bachelor and 120  
credits Instrumental and Vocal Practice  
in Music Education and Music Sciences  
and none with less than 25 credits.



**University of Minho**  
Institute of Social Sciences

institute of  
**social  
sciences**

[www.ics.uminho.pt](http://www.ics.uminho.pt)



## archaeology

**entry requirements:** Bachelor in Archaeology, History – variant branch of Archaeology, History and related, Anthropology and Architecture.

## communication sciences

fields of specialization in audiovisual and multimedia; information and journalism; advertising and public relations

### evening course

**entry requirements:** Bachelor in Communication Sciences or in related fields.

## communication, art and culture

### evening course

**entry requirements:** Bachelor.

## crime, difference and inequality

### evening course

**entry requirements:** holders of Bachelors within the Social and Humane Sciences, in Education Sciences, Criminology, Law, Economics, Management, Social Service or equivalents.

## cultural heritage

### evening course

**entry requirements:** Bachelor in History, Archaeology, History of Art, Anthropology, Sociology, Geography and Tourism, or related technical-scientific fields.

## geography planning and territorial management

**entry requirements:** Bachelor in Geography or related fields.

## history

**entry requirements:** Bachelor in History or other Bachelor in Humane and Social Sciences.

## sociology

fields of specialization in culture, leisure and tourism; social policies; work and organizations

### evening course

**entry requirements:** Bachelor in Sociology or related fields.





**University of Minho**  
School of Economics and Management

school of

# economics and management

[www.eeg.uminho.pt](http://www.eeg.uminho.pt)



## accounting

**entry requirements:** Bachelor in Accounting, Management, Economics, Public Administration and related fields.

## economics

**entry requirements:** Bachelor in Economics or Management.

## european union policies and territorial cooperation evening course

**entry requirements:** Bachelor.

## finance

**entry requirements:** Bachelor preferentially graduates in Management, Economics, Sciences e Engineering.

## health care units management

**entry requirements:** Bachelor.

## human resources management

**entry requirements:** Bachelor.

## industrial and firm economics

**entry requirements:** Bachelor in Economics or Management. Other Bachelors (for example: Public Administration, International Relations, International Business) will also be eligible as long as adequate competence in the fields of economics is provided.

## international business

**vacancies:** 30

**entry requirements:** Bachelor, in Economics, Management, International Business, International Relations, Public Administration, or related fields.

## international relations

**entry requirements:** Bachelor.

## management studies

**entry requirements:** Bachelor.

## marketing and strategy

**entry requirements:** Bachelor.

## monetary, banking and financial economics

evening course

**entry requirements:** Bachelor in Economics, Management, International Business, Mathematics, Statistics, Public Administration, International Relations (Economics and Politics branch), or related fields.

## political science

**entry requirements:** Bachelor in any field of Social Sciences.

## public administration

**entry requirements:** Bachelor in Public Administration, Management, International Relations, Economics, Law and, in general, within the domain of Social Sciences or in other domain, since the candidates provide service in Public Administration.

## social economics

**entry requirements:** Bachelor in Economics, Public Administration, Management, Sociology, Psychology, Education, International Relations or in related fields.









**University of Minho**  
School of Engineering

school of

# engineering

[www.eng.uminho.pt](http://www.eng.uminho.pt)







## bioengineering

**entry requirements:** Bachelor holder of the 1<sup>st</sup> degree of the 1<sup>st</sup> cycle in Sciences of Biological Engineering or related fields.

## bioinformatics

**entry requirements:** Bachelor within the fields of Biological Engineering Informatics Engineering, Computer Sciences, Technology and Information Systems, Applied Biology, Biology and Geology, Biomedical Engineering, Biochemistry or related fields.

## design and marketing

**entry requirements:** Bachelor in Fashion Design and Marketing, Clothing Design, Fashion Design, Textile Engineering or related fields.

## engineering and quality management

**entry requirements:** Bachelor in Engineering, Science of Engineering, Informatics, Mathematics, Management and Economics, or related fields.

## engineering of computer networks and telematic services

**entry requirements:** Bachelor in Informatics Engineering, or in related field.

## engineering project management

**entry requirements:** Bachelor in technological field of Engineering, in the field of Economical and Business Sciences and the exact Sciences.

## entrepreneurship in technology and information services

**entry requirements:** holders of a base training from the 1<sup>st</sup> cycle in Informatics or related fields, namely other courses within the fields of Engineering closer to ICT, such as Electronics or Industrial Engineering. Students with a stronger training in Informatics may choose to develop specific skills in more advanced Curricular Units, or to reduce the training in the scientific field of Informatics, opting by a more substantial exploitation of other scientific fields.

## environmental management

**entry requirements:** Bachelor in Engineering.

## fashion design and communication

**entry requirements:** Bachelor within the fields of Fashion Design and Marketing, Graphic Design, Communication Design, Marketing or related fields.

## food

science and technology

**entry requirements:** Bachelor in Biological Engineering Sciences, or related field.

## human

engineering

### evening course

**entry requirements:** Bachelor in Engineering, Ergonomics, Psychology, Medicine, Biology, Physics, Chemistry, or holders of Bachelors in related fields.

## industrial

engineering

**entry requirements:** Bachelor in Engineering, Management and Sciences.

## informatics

**entry requirements:** Bachelor in related field.

## information

systems

**entry requirements:** Bachelor in Technology and Information Systems, Informatics, Computer Sciences, Computation Sciences, Economics, Management, Organization Sciences and Social and Humane Sciences.

## mechatronics

engineering

### evening course

**entry requirements:** Bachelor in Mechanical Engineering or in Electronical Engineering.

## micro

and nano technologies

**entry requirements:** Bachelor in Sciences, Engineering Sciences/ Engineering.

## product

engineering

**entry requirements:** Bachelor in Engineering, Physics and related.

## properties

and technology of  
polymers

**entry requirements:** Bachelor in Engineering, Engineering Sciences (except Polymers), industry professional (with training in Engineering Secondary Education Teachers (Physics or Chemistry)).

## sustainable

built environment

**entry requirements:** Bachelor in Civil Engineering, Architecture and related fields.

## sustainable

construction and  
rehabilitation

**entry requirements:** Bachelor in Civil Engineering, Architecture or in related fields.

## structural

analysis of  
monuments  
and historical  
construction

(erasmus mundus european master)

**entry requirements:** Bachelor in Civil Engineering and fluency in the English language.

## structures

engineering

**entry requirements:** Bachelor in Civil Engineering, Architecture or in related fields.

## systems engineering

**entry requirements:** Bachelor in Informatics Engineering, in Informatics, in Information and Communication Technologies, in Systems Engineering, or related fields, or professionals with training in Systems Engineering and Informatics or equivalent and also other fields of Engineering, Sciences, Economics or Management.

## technology and digital art

**entry requirements:** Bachelor in Fine Arts, Performing Arts, Painting, Sculpture, Design, Music, Dance, Theatre, Multimedia, Computer Science, or related fields.

## textile chemistry

### evening course

**entry requirements:** Bachelor in Engineering Sciences, Chemistry, or related fields.

## urban engineering

**entry requirements:** Bachelor in Civil Engineering, Architecture, Civil Engineering Sciences, Geography or in related fields.





University of Minho  
School of Health Sciences

school of  
**health  
sciences**

[www.ecsaude.uminho.pt](http://www.ecsaude.uminho.pt)





## health sciences

**entry requirements:** Bachelor in the fields of Biological and Biomedical Sciences.

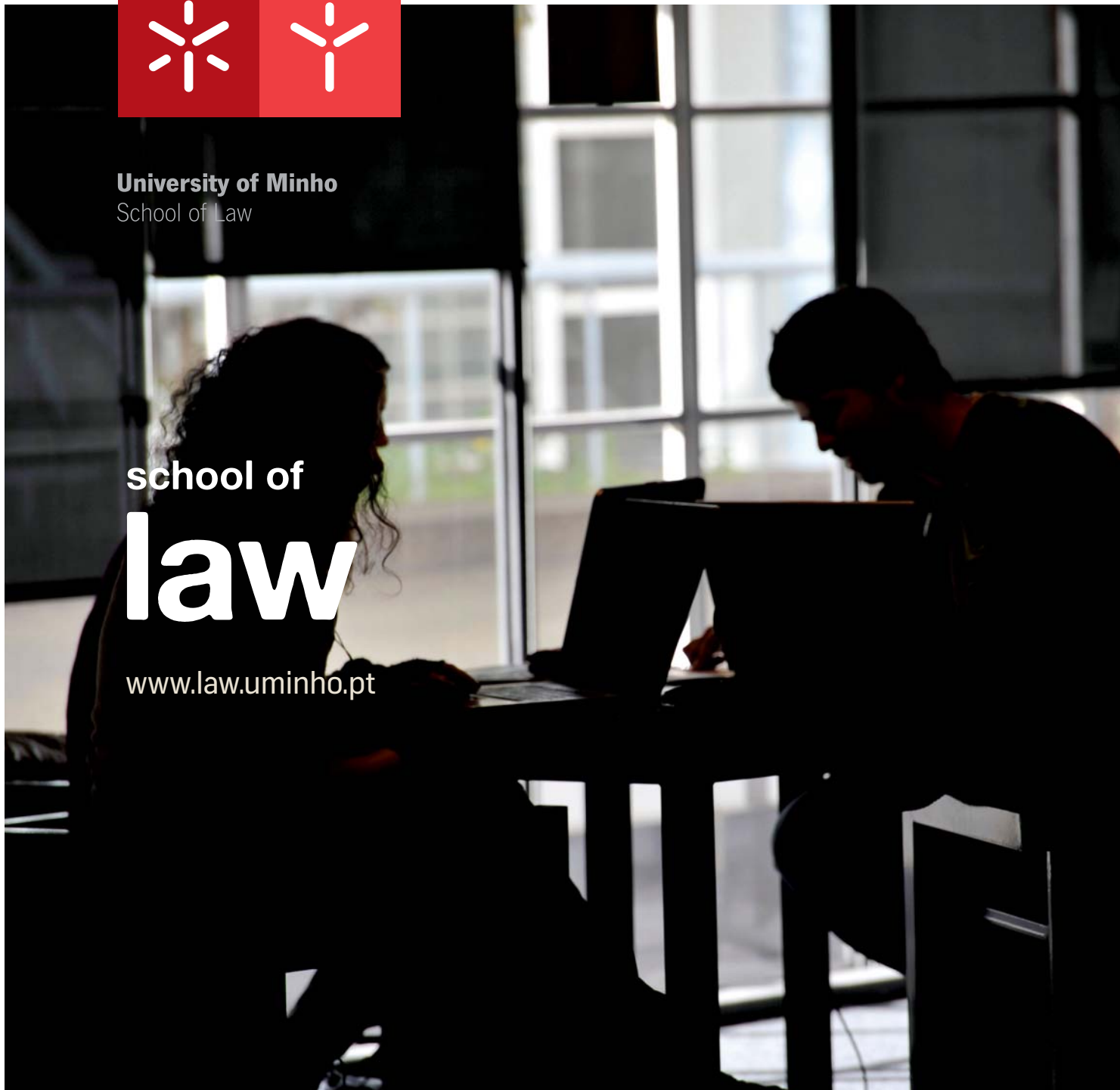




**University of Minho**  
School of Law

school of  
**law**

[www.law.uminho.pt](http://www.law.uminho.pt)



## administrative law

**evening course**

**entry requirements:** Bachelor in Law.

## business and contract law

**entry requirements:** Bachelor in Law.

## child, family and inheritance law

**entry requirements:** Bachelor in Law.

## european and transglobal business law

**entry requirements:** Bachelor in Law, Economics, Management and International Relations.

## european union law

**entry requirements:** Bachelor in Law, Economics, Management, Public Administration, International Relations or Political Science.

## human rights

**entry requirements:** Bachelor in Law, Philosophy, Economics, Political Sciences and International Relations.

## judiciary law (procedural law and judicial organization)

**entry requirements:** Bachelor in Law.

## law and informatics

**evening course**

**entry requirements:** Bachelor in Law, Economics, Management, Public Administration, International Relations, Political Science or Criminology.

## local government law

**entry requirements:** Bachelor in Law.

## tax and fiscal law

**entry requirements:** Bachelor in Law, Economics, Management and Public Administration.



**University of Minho**  
School of Nursing

school of

**nursing**

[www.esse.uminho.pt](http://www.esse.uminho.pt)





## nursing

(in partnership with university of  
trás-os-montes and alto douro)  
**evening course**

**entry requirements:** Bachelor in Nursing.

## nursing in critical care

(in partnership with University of  
trás-os-Montes and Alto Douro)  
**evening course**

**entry requirements:** Bachelor in Nursing.

## postgraduate course in rehabilitation nursing

**evening course**

**entry requirements:** Bachelor in Nursing.

## specialized course on maternal health and obstetrics

**evening course**

**entry requirements:** Bachelor in Nursing.



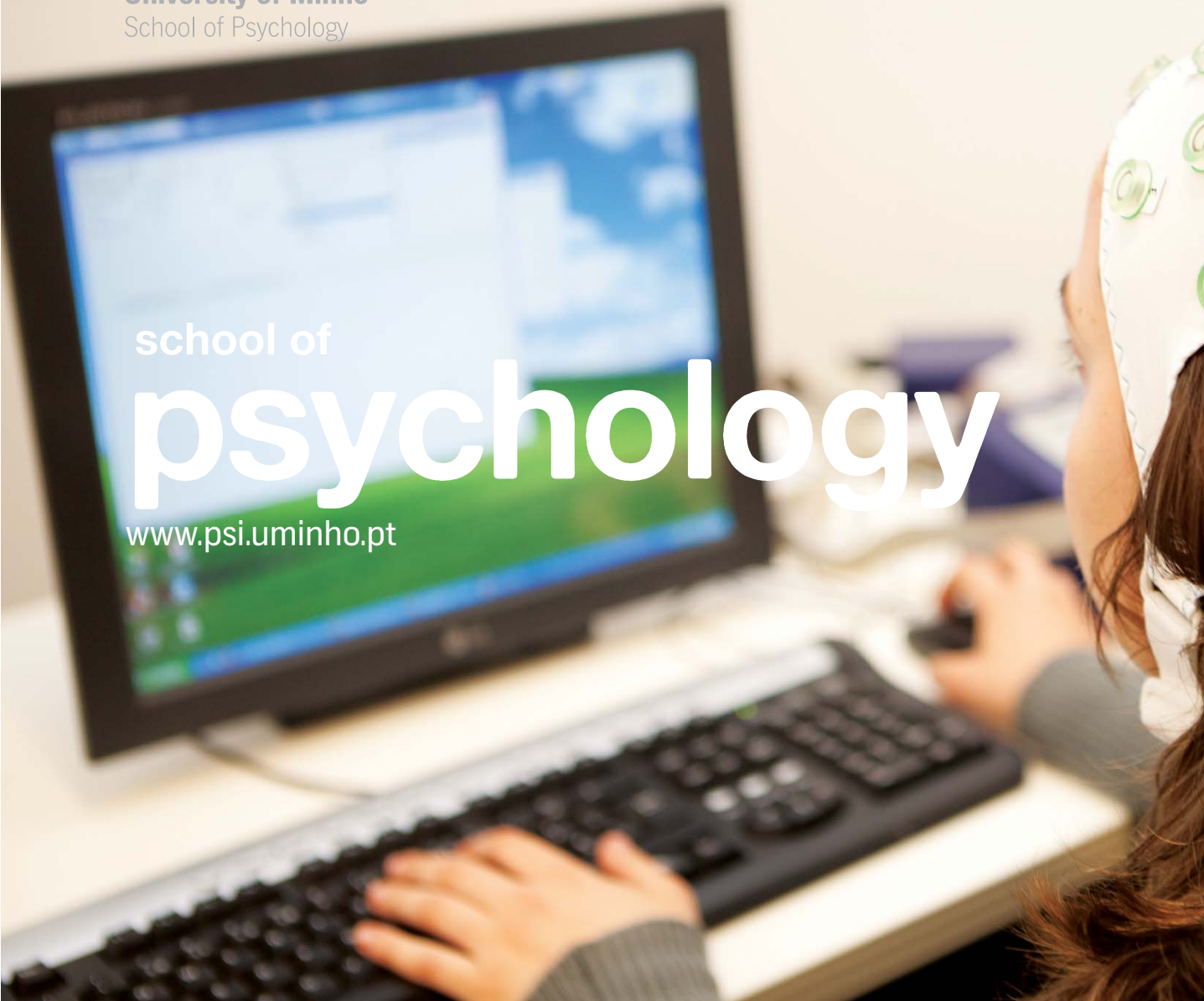


**University of Minho**  
School of Psychology

school of

# psychology

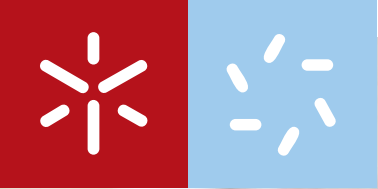
[www.psi.uminho.pt](http://www.psi.uminho.pt)





## applied psychology

**entry requirements:** Bachelor in Psychology or in Psychological Sciences.



University of Minho  
School of Sciences

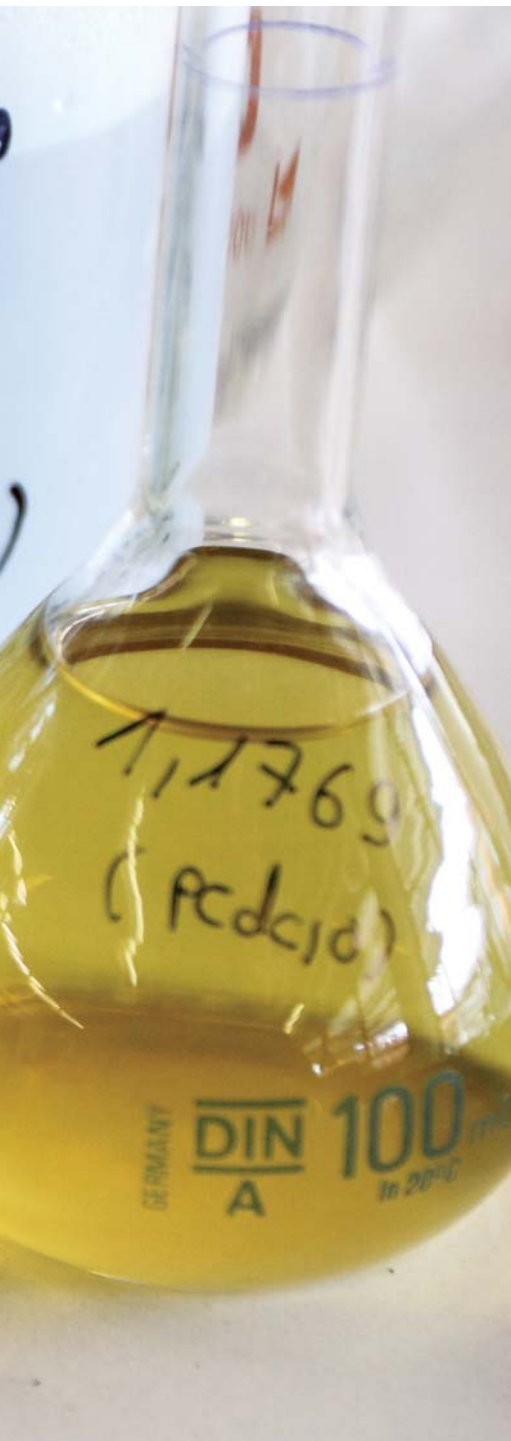
school of

# sciences

[www.ecum.uminho.pt](http://www.ecum.uminho.pt)







## advanced optometry

**entry requirements:** Bachelor in Applied Physics – Optics branch with specialization in Optometry, in Applied Physics – Optometry branch, Optometry and Optics branch with specialization in Optometry, in Applied Physics – Optometry branch, Optometry and Applied Physics, Optometry and Vision Sciences and Optometry – Vision Sciences.

## applied biochemistry

**entry requirements:** Bachelor in Biochemistry, Biology, Chemistry, Pharmacy, Medicine/ Health and Biomedical Sciences, Veterinarian Medicine, Biological Engineering/ Biotechnology, or related fields.

## biophysics and bionanosystems

**entry requirements:** Bachelor within the fields of Physical Sciences and Life Sciences; or related fields.

## chemical analysis and characterisation techniques

**entry requirements:** Bachelor in Chemistry, Biochemistry, Physics and Chemistry Teaching, Physics, Biology and Environmental Sciences, or related fields.

## ecology

**entry requirements:** Bachelor within the fields of Biological Sciences, Environmental Sciences, Marine Sciences, Agroforestry Sciences, Environmental Engineering, Biological Engineering, Biochemistry, as well as other Bachelor with technical and scientific value related to these fields.

## environment sciences and technologies

**entry requirements:** Bachelor in Environmental Sciences or in Biology-Geology or within a field of Basic Sciences (Biology, Physics, Geology, Mathematics, Chemistry) or even in a related scientific field.

## geosciences

**entry requirements:** Bachelor in the fields of Exact and Natural Sciences, Geography and Engineering, or related fields.

## mathematics

**entry requirements:** Bachelor in Mathematics or related fields.



## mathematics and computation

**entry requirements:** Bachelor in Mathematics or related fields.

## medicinal chemistry

**entry requirements:** Bachelor in Chemistry, Applied Chemistry, Biochemistry, Pharmacy, Physical Chemistry Sciences, Chemical Engineering and Biological Engineering, or related fields.

## molecular genetics

**entry requirements:** Bachelor in Biology, Biochemistry, Pharmaceutical Sciences, Medicine, Biomedical Sciences, Health and Life Sciences, Veterinarian Medicine, Biological Engineering, Biotechnology, Microbiology, Chemistry, Environmental Sciences, or related fields.

## physics

**entry requirements:** Bachelor in Physics, Engineering Physics, or related.

## plant molecular biology, biotechnology and bioentrepreneurship

**entry requirements:** Bachelor in the fields of Biological Sciences, Pharmaceutical Sciences, Bioengineering, Agricultural Sciences, Agroforestry or Agrifood, Veterinarian Sciences, Health Sciences, Biomedical Sciences, Biochemistry, Environmental Sciences, or related fields.

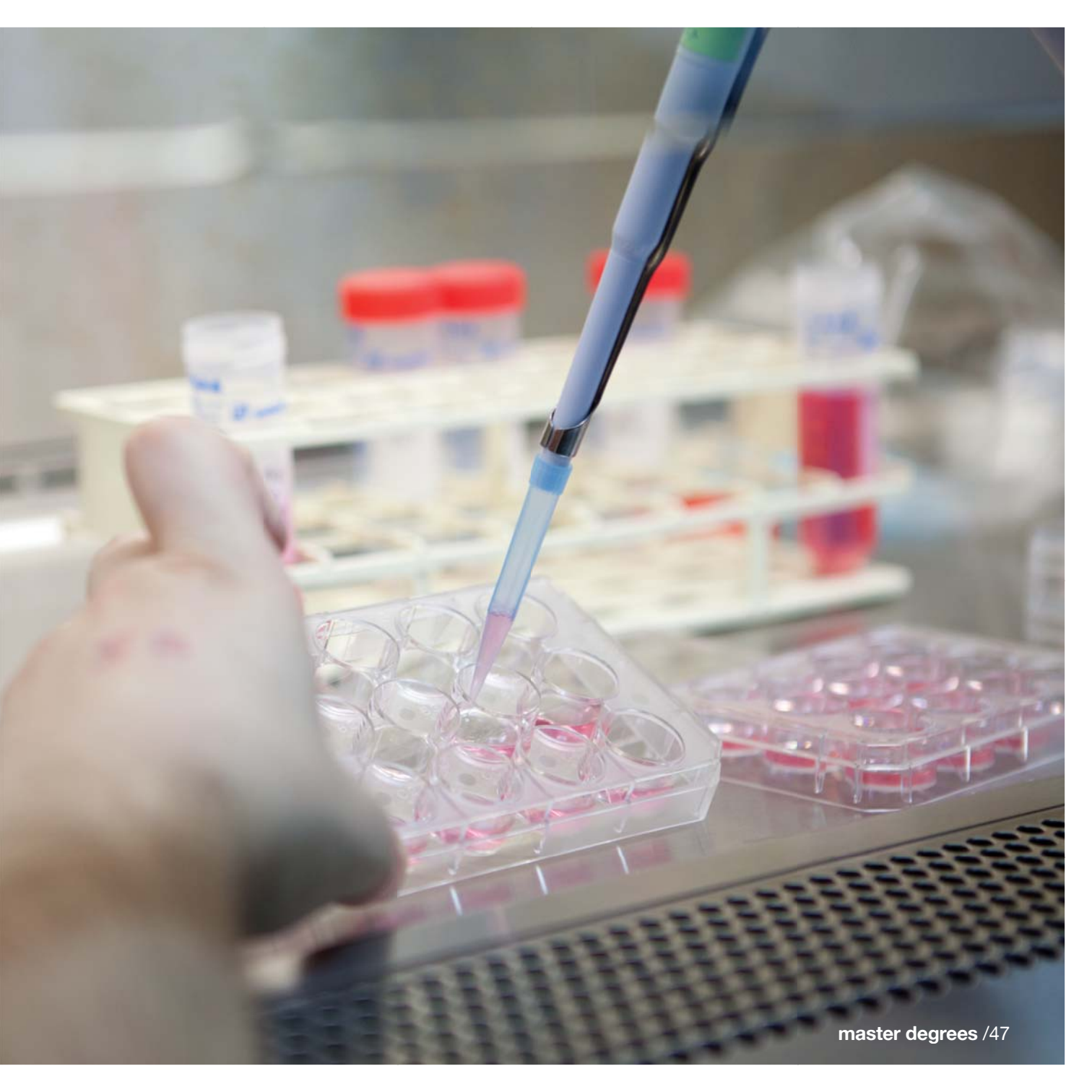
## sciences further education for teachers

**entry requirements:** Bachelor in Biology and Geology Teaching, in Biology, in Geology, in Physics and Chemistry Teaching, in Physics, in Physics and Chemistry, in Chemistry, in Mathematics Teaching, in Mathematics or related fields.

## statistics

**entry requirements:** Bachelor within the fields of Mathematics, Applied Mathematics, Engineering, Computer Sciences, Physics, or related fields.







**University of Minho**

Braga · Guimarães

Portugal

# PhD degrees





University of Minho  
Braga · Guimarães  
Portugal

# PhD programmes



**institute of  
arts and human  
sciences**

[www.ilch.uminho.pt](http://www.ilch.uminho.pt)

**comparative modernity:  
literatures, arts  
and cultures**

specialties: Comparative Literature,  
Inter-arts Sciences of Culture.

**institute of  
education**

[www.ie.uminho.pt](http://www.ie.uminho.pt)

**child studies**

specialties: Visual Communication  
and Artistic Expression;  
Developmental Psychology and  
Education; Sociology of Childhood;  
Elementary Mathematics; Childhood  
Literature; Child Health; Special  
Education; Musical Education;  
Drama Education; Physical  
Education, Leisure and Recreation.

**institute of  
social sciences**

[www.ics.uminho.pt](http://www.ics.uminho.pt)

**archaeology**

Landscape and Population  
Archaeology; Technologies and  
Materials; Theory and Research  
Methods.

**communication sciences**

**communication studies**

technology, culture and society  
[joint doctoral programme with UBI and  
ISCTE]

**geography**

Physical Geography and  
Environmental Studies; Landscape  
Studies.

**history**

Medieval History; Modern History;  
Contemporary History; Art History;  
History of Portuguese Maritime;  
Discoveries and Expansion; Theory  
and Research Methods; Historical  
Demography; Heritage.

**sociology**

**school of  
architecture**

[www.arquitectura.uminho.pt](http://www.arquitectura.uminho.pt)

**architecture** 

Architectural Culture; City and Territory;  
Construction and Technology.

**school of  
economics and  
management**

[www.eeg.uminho.pt](http://www.eeg.uminho.pt)

**accounting**

[joint doctoral program between UMinho  
and UAveiro]

**administrative sciences**

**business administration**   
specialization: Business Sciences.

**economics** 

**marketing and strategy** 


[joint doctoral program between  
UMinho, UAveiro and UBI]

**political science and  
international relations**


**school of  
engineering**

[www.eng.uminho.pt](http://www.eng.uminho.pt)

advanced engineering  
systems for industry 


advanced materials  
and processing 

bioengineering   
[program MIT-PT]

biomedical  
engineering 

chemical and biological  
engineering 

civil engineering 

electronics and  
computer engineering  


fashion design 

food science and  
technology and  
nutrition 

specialties: Chemical and Biological

Engineering, Biotechnology and  
Biochemistry.


industrial and systems  
engineering

specialties: Industrial and Systems  
Management; Economical  
Engineering; Optimization and  
Operational Research; Humane  
Engineering; Numerical Methods and  
Statistics.

informatics 

informatics map-i   
[program CMU-PT – Joint doctoral  
program between UMinho, UAveiro e  
UPorto – in 2016/17 it will take place at  
UAveiro]

specialty: Informatics

industrial services and  
systems optimization 

specialty: Operational Investigation.

information systems  
and technology 

leaders for technical  
industries 

[program MIT-PT]


specialty: Conception Engineering  
and Advanced Production.

materials engineering 

specialty: Science and Materials  
Engineering.

mechanical  
engineering 

specialty: Sciences and Mechanical  
Engineering.

science and  
engineering of polymers  
and composites 

solid waste management  
and treatment 

sustainable built  
environment 

[joint Program between UMinho, Czech  
Technical University e Polytechnic  
University of Madrid]


telecommunications  
map-tele 

[program CMU-PT – Joint doctoral program  
between UMinho, UAveiro and UPorto]

specialty: Telecommunications.

textile engineering 

specialties: Textile Science and  
Technology - Textile Science (Textile  
Physics and Textile Chemistry)  
Textile Technology, Textile Design  
and Textile Management.


tissue engineering  
regenerative medicine  
and stem cells 

## **school of health sciences**

[www.ecsaude.uminho.pt](http://www.ecsaude.uminho.pt)

ageing and  
chronic disease   
[inter-University]

health sciences 

medicine   
[plan A includes 5 scholarships  
sponsored by the program FCT MD/PhD]

## **school of law**

[www.law.uminho.pt](http://www.law.uminho.pt)


legal sciences

specializations: General Legal  
Sciences; Private Legal Sciences;  
Public Legal Sciences.

## **school of psychology**

[www.psi.uminho.pt](http://www.psi.uminho.pt)

applied psychology

basic psychology 

## **school of sciences**

[www.ecum.uminho.pt](http://www.ecum.uminho.pt)

agricultural production  
chains

specialties: Agriculture, Biology and  
others related.

applied mathematics 

specialties: Algebra, Logic and  
Computation; Analysis; Numerical  
and Computational Methods; Control  
and Optimization; Dynamics and  
Geometry; Probability and Statistics.


chemistry

specialties: Organic Chemistry  
and Biological Chemistry; Physical  
Chemistry and Analytical Chemistry.

molecular and  
environmental  
biology 


specialties: Molecular Biotechnology;  
Cell Biology and Health; Evolution,  
Biodiversity and Ecology.

optometry & vision  
sciences

physics - map-fis 

[joint doctoral program between UMinho,  
UAveiro and UPorto]

specialties: Atomic and Molecular  
Physics, Physics of Condensed  
Matter and Nanoscience, Theoretical  
and Computational Physics,  
Meteorology and Oceanography,  
Optics and Photonics.

science, technology  
and marine  
management 

specialties: Ocean and Global  
Change Observation, Sustainable  
Use of Marine Resources, Integrated  
Management of the Oceans,  
Technological Progress, Engineering  
and Business Management.





**University of Minho**  
Braga - Guimarães  
Portugal

# PhDs





institute of  
**arts and human  
sciences**

[www.ilch.uminho.pt](http://www.ilch.uminho.pt)

### cultural sciences

specialties: German Culture; Classical Culture; Spanish Culture; Francophone Cultures; English Culture; Irish Culture; American Culture; Portuguese Culture; Cultures of the Far East; Hispano-American Cultures; Francophone Cultures; History of Ideas in the West.

### language sciences

specialties: Speech Analysis; Language and Cognition; German Linguistics; Applied Linguistics; Chinese Language; Slavonic Language; Spanish Linguistics; French Language; General Linguistics; Greek Language; English Linguistics; Japanese Language; Latin Language; Portuguese Linguistics; Romance Linguistics; Psycholinguistics; Sociolinguistics.

### philosophy

specialties: Philosophical Anthropology; Epistemology; Aesthetics; Ethic; Ancient and Medieval Philosophy; Philosophy and Portuguese Culture; Philosophy of Language; Philosophy of Mind; Philosophy of Religion; Philosophy and Eastern Religions; Modern and Contemporary Philosophy; Social and Political Philosophy; Hermeneutics.

### sciences of literature

specialties: German Literature; Brazilian Literature; Comparative Literature; Spanish Literature; French Expression Literature; Greek Literature; English Literature; Irish Literature; Italian Literature; Latin Literature; American Literature; English Literature; African Literatures of Portuguese; Literatures of the Far East; Literatures Hispano - American; Literary Theory.

institute of  
**education**

[www.ie.uminho.pt](http://www.ie.uminho.pt)

### educational sciences

specialties: Curriculum Development; Education for Environment and Sustainability; Science Education; History and Social Science Education; Foreign Language Education; Mathematics Education; Philosophy of Education; History of Education; Literacy and Portuguese Teaching; School Organisation and Administration; Educational Policy; Educational Psychology; Sociology of Education; Pedagogical Supervision; Educational Technology.

**institute of  
social  
sciences**

[www.ics.uminho.pt](http://www.ics.uminho.pt)

**archaeology**

landscape and Population  
Archaeology; Technologies and  
Materials; Theory and Research  
Methods.

**communication sciences**

**geography**

Geography and Regional  
Planning; Physical Geography and  
Environmental Studies; Humane  
Geography; Landscape Studies

**history**

Medieval History; Modern History;  
Contemporary History; Art History;  
History of Portuguese Maritime  
Discoveries and Expansion; Theory  
and Research Methods; Historical  
Demography; Heritage.

**sociology**

**school of  
architecture**

[www.arquitectura.uminho.pt](http://www.arquitectura.uminho.pt)

**architecture**

Architectural Culture; City and  
Territory; Construction and  
Technology.

**school of  
health sciences**

[www.ecsaude.uminho.pt](http://www.ecsaude.uminho.pt)

**health sciences**

**medicine**

[plan A includes 5 scholarships  
sponsored by the program FCT MD/PhD]

**school of  
sciences**

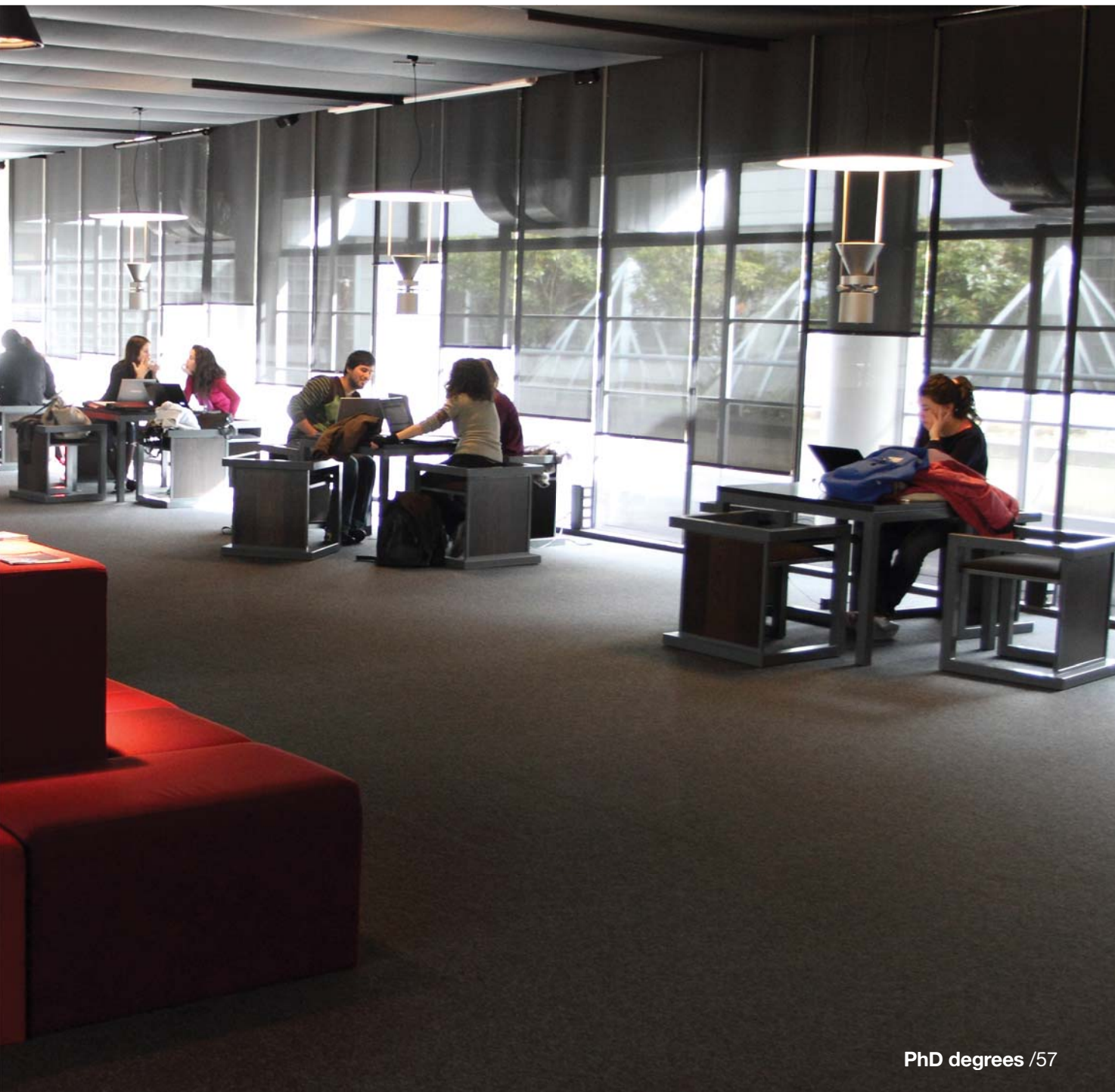
[www.ecum.uminho.pt](http://www.ecum.uminho.pt)

**sciences**

specialties: Biology; Physics;  
Geology; Mathematics; Chemistry.











**University of Minho**

Braga · Guimarães

Portugal

# executive business education

**UMinho Exec**

## UMinho Exec

UMinho Exec Executive Business Education mission is to promote individual's empowerment by enhancing his/her management and leadership practices while strengthening his/her organizational performance and thus contributing to the organization value creation.

UMinho Exec Executive Business Education is the executive education unit of University of Minho, headquartered at the School of Economics and Management that offers business training. It does not award a classic degree. UMinho Exec is the result of Minho University's mission to provide executives with soft skills and its broad and solid experience of over 30 years building the future of many top executives.

UMinho Exec seeks after contributing to the empowerment of businessmen and personal enrichment of participants thereby nurturing stable and lasting relationships. In this light, it rests upon a faculty of exception that brings together the latest business expertise and practice and academic rigor, along with an experienced and highly reputed Advisory Board.

The Advisory Board gathers members whom are nationally and internationally highly reputed due to their professional careers and achievements. Their strategic vision as an added value to consolidation and strenghting of UMinho Exec.

For all available courses, please contact us on [uminhoexec@eeg.uminho.pt](mailto:uminhoexec@eeg.uminho.pt)

## Seven reasons we create value

- 1 Skills, knowledge and tools to solve real and current business problems.
- 2 Personal enrichment and empowerment.
- 3 Personalized accompaniment (support in the implementation of learning in the field; coaching, career management, personal development...).
- 4 Modular methodology of teaching /learning based on case studies and project work.
- 5 Learning Trips international contact and meet with other business ecosystems and business models.
- 6 Participation and membership to a community networking and outreach in the business epicenter of Minho.
- 7 Relational environment, to enable the sharing of professional experiences with teachers of recognized merit.

institute of arts and humanities  
[ilch.uminho.pt](http://ilch.uminho.pt)



institute of education  
[ie.uminho.pt](http://ie.uminho.pt)



institute of social sciences  
[ics.uminho.pt](http://ics.uminho.pt)



school of architecture  
[arquitectura.uminho.pt](http://arquitectura.uminho.pt)



school of economics and management  
[eeg.uminho.pt](http://eeg.uminho.pt)



school of engineering  
[eng.uminho.pt](http://eng.uminho.pt)



school of health sciences  
[ecsaude.uminho.pt](http://ecsaude.uminho.pt)



school of law  
[direito.uminho.pt](http://direito.uminho.pt)



school of nursing  
[ese.uminho.pt](http://ese.uminho.pt)



school of psychology  
[psi.uminho.pt](http://psi.uminho.pt)



school of sciences  
[ecum.uminho.pt](http://ecum.uminho.pt)



## come study with us!

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godesign