

We invite you to  
*change perspective*

English-taught  
***Master's  
programmes***

[www.ru.nl/masters](http://www.ru.nl/masters)



**Radboud University**



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# A word of welcome

As Rector Magnificus of Radboud University, it would give me great pleasure to welcome you to our University in Nijmegen.

Radboud University is a student-oriented research university where individual responsibility, independence, and small-scale classes are fundamental to the education we offer. We strive to create an environment where all students feel at home.

Internationalisation is an important process in higher education. Spending time abroad enriches the lives of our students and staff. At the same time, international students and staff who visit Radboud University bring new insights to our academic community, creating a truly international campus. You, as an international student, are an important factor in this process.

Many consider the Radboud campus – with its modern buildings located on the former country estate of Heyendaal – the greenest and most beautiful in the Netherlands. All our students have access to well-equipped study facilities and lecture rooms, state-of-the-art laboratories and equipment, automated libraries and computer networks.

We realise that you want to enjoy your stay here as much as you can, and not just work and study hard! Therefore, we offer an orientation programme at the beginning of each semester for all our new international students and a variety of social activities throughout the academic year. We hope you will take the opportunity to participate in some of these events.

I look forward to welcoming you to Nijmegen!

**Professor Sebastian Kortmann**  
Rector Magnificus







# We invite you to change perspective

## Gaining new and exciting insights

Radboud University is one of the leading academic communities in the Netherlands. Our top-flight education and research take place in modern buildings with state-of-the-art facilities, located on a beautiful, green campus.

Research and education at Radboud University covers a wide range of disciplines, from life sciences, to law, language, and literature. There is plenty of choice for specialising but we also stimulate our students to look beyond their own discipline for we truly believe that a broad scope will lead to new and exciting insights.

We are a close-knit community where academics from different faculties – thanks to being at walking-distance from each other – often work together in cross-disciplinary teams. Therefore, as a Master's student at Radboud University, you will not only be able to converse with your fellow students, but also with students from other programmes, teachers, professors, and top-notch scientists. These meetings will stimulate you to take a fresh look at things and change your perspective. In turn you, as an international student, can stimulate others to change their perspective.

## Nijmegen, a student-friendly city

The strength of the university lies in its personal approach. Our Master's students receive individual guidance from top researchers. Students' studies are also directly integrated with the work done at the university's 17 research institutes – a number of which are top in their field. This offers unique opportunities to undergraduates, postgraduates and doctoral candidates alike. It is one of the reasons why an increasing number of students and scientists from all over the world choose to study and work in Nijmegen.

### RADBOD FACTS 2013

- Student total 18,891
- Master's students 6,514
- Bachelor's students 12,377
- International students 1,534
- Bachelor's programmes 37
- Master's programmes 74 (of which 50% is English-taught)
- Research Master's programmes 10
- Diploma's granted 5,491 (2,700 Bachelor's, 2,678 Master's)
- PhD's granted 384
- Publications 6,716 (academic peer reviewed)





You will be based in a true university city: of its 165,000 inhabitants, some 30,000 are students. Students appreciate the city's attractive, green surroundings and its many venues for relaxation and entertainment. The cultural centre LUX is the largest art house cinema in the Netherlands and also offers theatre, music, debate, and multimedia. The oldest city in the Netherlands dates from Roman times when its name was Noviomagus (New Market). Situated close to the German border, Nijmegen lies on the banks of the river Waal, a branch of the Rhine. It is a friendly and safe place to live and study.

#### **Students say Radboud University is the best**

A survey among all the university students in the Netherlands showed that students of Radboud University are the most satisfied with their university. The survey included aspects such as the quality of education, the guidance provided by teachers, and study facilities.

We invite you to come to Nijmegen and change perspective!

#### **RANKINGS AND AWARDS 2013**

- Best general university in The Netherlands according to students in information guide 'Keuzegids universiteiten'
- Nobel Prize for Physics awarded to two professors connected to Radboud in 2010
- 131 in the Times Higher Education Rankings 2013
- 143 in the QS World University Rankings 2013
- 140 in the Shanghai Rankings 2012

For more information on rankings and awards, please have a look at [www.ru.nl/masters/rankings](http://www.ru.nl/masters/rankings)





## Study programmes

Radboud University is student-oriented and has a strong focus on research. It has seven faculties and enrolls nearly 19,000 students in more than 100 study programmes. The University is constantly strengthening the international character of its programmes. The diverse backgrounds of those who study and teach at the University help our common objective: to achieve the highest possible quality in education and research.

WHY THE NETHERLANDS?

### Excellent education and research

The Dutch system of higher education enjoys a worldwide reputation for high quality. Experience shows that people who have studied at a Dutch higher education institution perform very well in other parts of the world. This quality is achieved through a national system of regulation and quality assurance.



### Regular and Research Master's programmes

Radboud University offers a full range of Master's programmes taught in English. In addition to regular Master's programmes, the University offers two-year Research Master's programmes. Both lead to a high-quality Master's degree, with the difference that Research Master's are intended for students who are planning on a scientific career. These two-year programmes are highly selective and could not be a better preparation for a PhD. All Master's programmes have been internationally accredited by the Accreditation Organisation of the Netherlands and Flanders (NVAO). For more details of these programmes, admission procedures, tuition fees and registration:

> [www.ru.nl/masters](http://www.ru.nl/masters)

### Change perspective

At Radboud University, education and research go hand in hand. This strong link gives students the opportunity to get closely involved with the most up to date research topics. Furthermore, our Master's programmes offer several specialisations and a large degree of flexibility to choose your own path.





During your Master's, you will be working under the guidance of a personal tutor. Together with this tutor, you will choose your own unique programme.

#### **Joint Master's programmes**

Radboud University also offers some Master's programmes as joint programmes with other international universities. Joint degree programmes are programmes, where curricula, admission and examination regulations are jointly developed and recognised by several partner universities. The successful completion of the study programme is awarded with more than one Master's diploma: either national degrees from the individual partner universities or a degree that is jointly conferred. For more information on these and Joint Degree programmes, please visit:

> [www.ru.nl/masters/jointprogrammes](http://www.ru.nl/masters/jointprogrammes)

#### **Grading system**

The grading system in the Netherlands may be different than what you may used to. The system is on a scale of 1 to 10, where a 6 is regarded as sufficient. Marks higher than an 8 are considered to be above average.

#### **Academic year & semesters**

The Dutch academic year is divided in two semesters:

First semester: September to January

Second semester: February to July



### **Radboud Honours Academy for Master's students**

The Radboud Honours Academy offers a special supplementary programme for highly motivated Master's students wishing to extend their knowledge into disciplines other than their own. Each year, 150 Radboud Master's students have the opportunity to follow one of the following three programmes: Reflections on Science, Reflections on Professions, and Beyond the Frontiers.

> [www.ru.nl/honoursacademy/masters](http://www.ru.nl/honoursacademy/masters)

### **PhD candidates**

After obtaining a Master's degree, you might want to continue your studies as a PhD candidate at Radboud University. Our research and education benefit from an international approach and PhD candidates play an important role in this process. The process of earning a doctorate normally takes four years and consists of conducting independent research and writing a dissertation. In general, a tuition fee is not requested. The most usual way to become a PhD candidate is by applying for an official vacancy.

> [www.ru.nl/phd](http://www.ru.nl/phd)

### **International alumni**

The number of students who come from abroad to study at Radboud University Nijmegen is increasing every year. When they leave, these students automatically become a part of our growing community of international alumni, playing an important role as ambassadors for our University around the globe. International alumni receive an e-newsletter and stay connected via a Facebook page for and about Radboud University's international alumni.

> [www.facebook.com/ruinternationalalumni](https://www.facebook.com/ruinternationalalumni)

WHY THE NETHERLANDS?

### **Problem-based learning system**

Holland has received international acclaim for its groundbreaking problem-based learning system. This system trains students to analyse and solve practical problems independently through emphasis on self-study and self-discipline.







# Facilities

## The University Library

The University Library has an extensive collection of titles and periodicals and a growing collection of rare manuscripts. A large number of mainly bibliographical and full-text databases can be accessed via the library's website. There is a large Central Library, plus six faculty libraries, which are open to any registered library card holder. With a few exceptions, library services are free of charge.

> [www.ru.nl/library](http://www.ru.nl/library)

## Research facilities

Research at Radboud University covers a wide range of disciplines, from life sciences, to law, language, and literature. The University's high-quality research institutes, which are at the forefront in a number of fields, offer unique opportunities to students and PhD candidates.

> [www.ru.nl/english/research](http://www.ru.nl/english/research)

## Sports centre

The University has a state-of-the-art sports centre on campus, which was recently ranked the best in a large international student survey. Students can 'work out' individually or in groups. There are classes and workouts for virtually any sport you can think of and of course you can join one of the many students' sports clubs, and play in tournaments and league competitions.

> [www.ru.nl/sportscentre](http://www.ru.nl/sportscentre)

## University Chaplaincy

At the University Chaplaincy students and staff can meet, meditate and take part in discussions or join in worship. There are several activities in English: group meetings and discussions, regular Catholic Eucharist, Anglican Church services and ecumenical prayer meetings. A Chapel, Muslim Prayer Room and a Quiet Room are available for private prayer or meditation.

> [www.ru.nl/chaplaincy](http://www.ru.nl/chaplaincy)

## Food and drink on campus

The campus offers a variety of outlets where you can enjoy anything from light refreshments to a full meal. The atmosphere in the cafés, coffee corners and restaurant reflects the food and drink: fresh, colourful, healthy and straightforward. All food served is freshly-made and includes a good variety of organic products.

## Language centre

At the University's language centre Radboud in'to Languages, you can choose from a selection of language and communication course, including a range of Dutch classes. The University does not offer free Dutch language courses for students, but international students receive a substantial discount on courses.

> [www.ru.nl/radboudintolanguagesuk](http://www.ru.nl/radboudintolanguagesuk)



### 1 International recognition

You will be studying at the fastest rising Dutch university in the international university rankings. Moreover, the 2010 Nobel Prize in Physics was awarded to a professor connected to Radboud University. You will be studying at a truly excellent institution.

### 2 Personal approach

Our personal style of teaching offers you plenty of opportunity to work closely with leading researchers and excellent teachers in interactive, small seminars, ensuring a high-quality Master's degree. Teachers and professors are easily approachable to discuss your study subjects.

### 3 Extensive freedom of choice

You decide which specialisation and subject choice is most appropriate for you. We offer you a great deal of choice and in many cases you can put together your own custom-made programme, based on your own interests. This has resulted in stimulating research and interesting study choices.

### 4 Excellent services

Radboud strives for the highest quality, also with its services. This has even been acknowledged by the European Commission, who recently stated that Radboud University has 'an impressive range of activities for outgoing and incoming students and a high sense of concern for quality'.

### 5 Valuable diploma

After successful completion of the programme, you will be awarded a Master's degree from an outstanding university and you will have gained critical skills and an insight into research and practice within your own subject area.



# Ten reasons for choosing Radboud University

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## Career prospects

As a student, you will benefit from the presence of numerous Dutch and international companies and institutions, such as NXP and the Radboud Medical Centre. After graduation, you will have a strong, clearly identifiable professional profile for the job market, increasing your chances of finding employment.

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## Historically and culturally rich city

Studying in Nijmegen means living in the oldest city of the Netherlands, where you can find Roman ruins and modern architecture side by side.

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## Greenest campus in the Netherlands

The Radboud campus in Nijmegen is considered to be the greenest and most beautiful in the Netherlands. Also, it is one of the very few study locations in the Netherlands where you can live on campus.

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## Build a valuable network

By studying at Radboud University, you ensure yourself of the opportunity to build a powerful, professional network of valuable contacts. Naturally, you will become part of our alumni network to stay closely connected to your fellow classmates and professors.

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## Prime location

You can take advantage of the favourable location of Nijmegen. Major European cities like Amsterdam, Cologne and Brussels are just a train ride away and via the many nearby airports you are well connected to the rest of Europe.





# Admission and Application

## Admission requirements

For all programmes, students will be assessed before admittance. In some cases, this may involve an interview or an assignment. In any case, we require the following:

- A Bachelor's degree from a research university (or equivalent) in a relevant discipline for the Master's programme of your choice.
- Proof of English proficiency: TOEFL, IELTS or Cambridge CAE/CPE

The language requirements may differ per programme. For programme-specific requirements, please visit:

> [www.ru.nl/masters/admission](http://www.ru.nl/masters/admission)

## Application procedure

You can apply online for the Master's programme of your choice. In some cases you need to contact the coordinator of the programme first. After the selection process, you can continue your application online. For more information or to apply directly for a Master's programme, please visit:

> [www.ru.nl/masters/application](http://www.ru.nl/masters/application)

## Application deadlines

Most programmes start once a year in September, some also start in February. For those who wish to start on 1 September, application closes on 1 April for students from non-EEA countries and on 1 May for students from within the EEA. Successful international applicants who apply before these dates will be guaranteed accommodation and support with their visa and residence permit application. Students who wish to start in February will be guaranteed these services if they apply before the deadlines of 1 November (non-EEA students) and 1 December (EEA students). If you apply after these dates, we will still consider your application and provide assistance where possible. Non-EEA students should allow enough time to have their application reviewed and their visa organised.







## Student services

The University's International Office provides a special service package, including assistance with visa, housing and social activities for international students who enrol in an English-taught Master's programme.

### Accommodation

If you come to Nijmegen for an English-taught Master's programme, you will be guaranteed housing, provided you apply before the deadline. Most student rooms are located within a few kilometres of the University and can easily be reached by bus or bicycle. Rooms are furnished, but in most cases you need to provide your own bed linen, pillow, blankets and towels. A furnished room with shared facilities will cost you up to € 450 per month.

> [www.ru.nl/masters/housing](http://www.ru.nl/masters/housing)

### Visa and residence permit

Depending on your nationality and length of your stay, you may need a visa and/or residence permit. If you do need a visa, the International Office will assist you in obtaining the visa and/or residence permit after you have been admitted to a Master's programme.

> [www.ru.nl/masters/visa](http://www.ru.nl/masters/visa)

### Orientation days and social activities

You can expect to receive a warm welcome during the orientation days. These are intended to help you become acquainted with the city, the University and its community. You will also receive tips about Dutch student life. The orientation programme is organised twice a year. Throughout the year, the International Office also organises a number of excursions to cities and sights in other parts of the Netherlands.

> [www.ru.nl/masters/socialactivities](http://www.ru.nl/masters/socialactivities)

### WHY THE NETHERLANDS?

#### Entrepreneurial pioneers

Holland is a creative nation. Dutch people enjoy innovation and constantly ask themselves and others questions to come up with new ideas. This explains why Dutch people are recognised as good entrepreneurs and discoverers.







# Financial matters

## Cost of living and tuition fees

The Netherlands is a relatively expensive country for students, although the tuition fees are reasonable. As everyone's spending habits are different, it is not easy to predict exactly how much money you will need for your stay in the Netherlands. Below you can find an estimation of the costs for one academic year.

> [www.ru.nl/masters/studentbudget](http://www.ru.nl/masters/studentbudget)

## Tuition fees

Higher education in the Netherlands is subsidised to uphold its high academic standards. As a result, tuition fees are kept low for all EEA nationals, while non-EEA students pay higher fees due to taxation. The tuition fees for 2015/2016 were not yet fixed at the time of publishing. To give you an idea, in 2014/2015, the tuition fees for a full academic year were:

- EEA-nationals: € 1,906
- Non-EEA nationals: € 9,570/10,537, depending on the programme

> [www.ru.nl/masters/tuition](http://www.ru.nl/masters/tuition)

## Average expenses for one academic year

	EEA students	Non-EEA students
Tuition fee	€ 1,906	€ 9,570/10,537
Books and supplies	€ 400 - 600	€ 400 - 600
Food and personal expenses	€ 4,000	€ 4,000
Accommodation	€ 4,000 - 5,400	€ 4,000 - 5,400
Insurance	€ 500	€ 300 - 700
Visa and permits	€ 0 - 40	€ 300
Contingencies, e.g. additional travel, phone bill	€ 500	€ 500
<b>Total (min.-max.)</b>	<b>€ 11,306 - 12,946</b>	<b>€ 19,070 - 22,037</b>







### Scholarships, grants and loans

#### *Radboud Scholarship Programme*

Radboud University awards a number of scholarships to non-EEA students who wish to follow certain Master's programmes, the Radboud Scholarship Programme (RSP). The programme covers part of the tuition fee (which is charged at the EEA rate) and the cost of a visa. The University will also pay for your residence permit as well as insurance during your study. Application for RSP closes on 1 April. You can apply together with your application for your Master's programme. Visit our website to find out which programmes qualify for the RSP.

> [www.ru.nl/rsp](http://www.ru.nl/rsp)

For other scholarship and grants options, please visit

> [www.grantfinder.nl](http://www.grantfinder.nl)

### Working as a student

Many students would like to work alongside their studies to cover part of their expenses. We advise you not to rely on this source of income however, as most jobs require you to have a good command of Dutch and finding a job might therefore be difficult.

> [www.ru.nl/masters/studentjobs](http://www.ru.nl/masters/studentjobs)

### WHY THE NETHERLANDS?

#### **Value for money**

Life in Holland is not expensive compared to English-speaking countries and tuition fees are relatively low. With the renowned quality of education and the comparatively low cost of living, studying in Holland will give you true value for money.



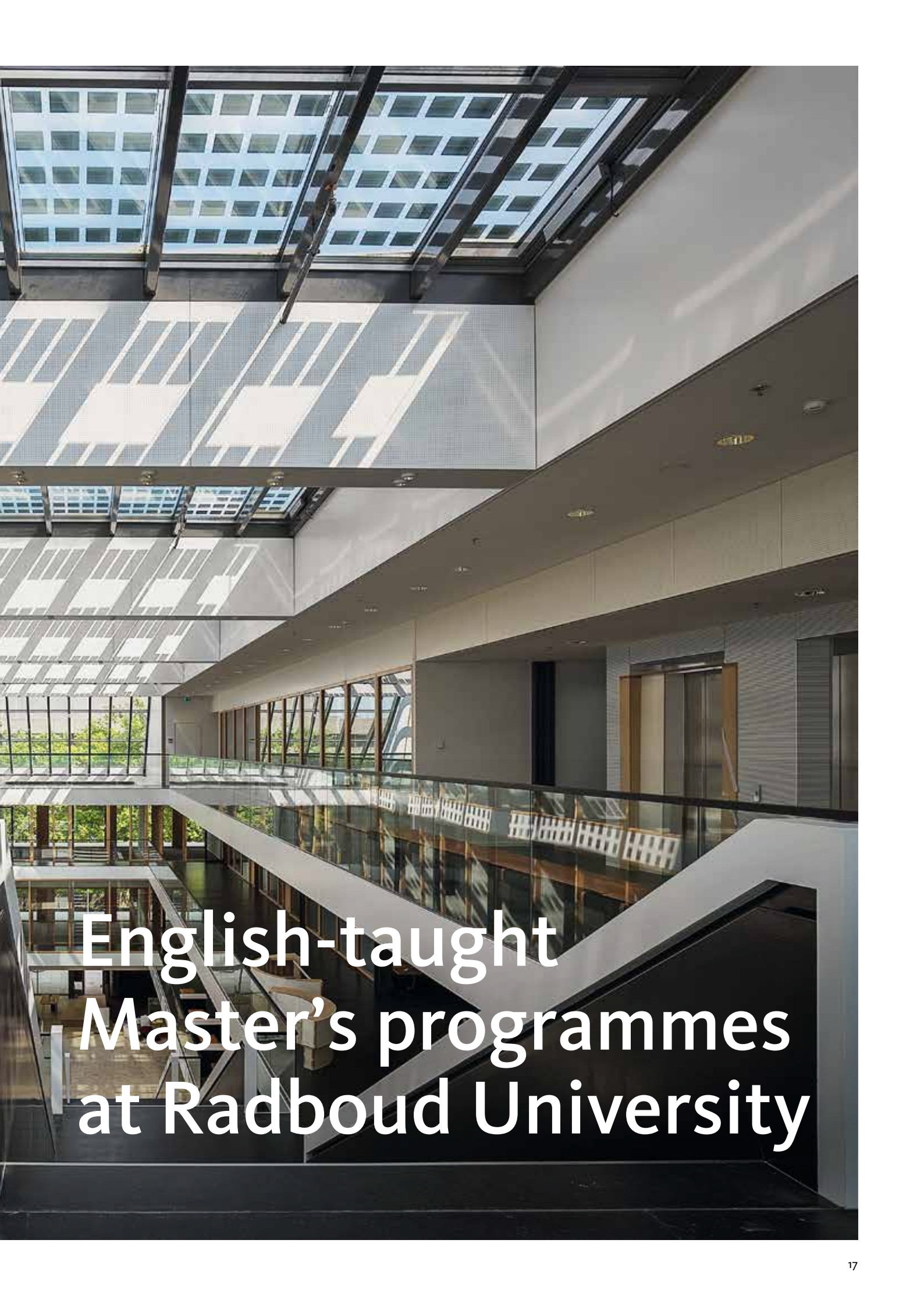


### Multicultural society

For a small country like Holland, an international orientation – including in the field of education and training – is a must for survival in our increasingly internationalised world. Dutch people really want to be connected to other cultures, the world and the business community. This also means that as a student you will take part in international classes and have no problem getting by with English.







# English-taught Master's programmes at Radboud University

# Faculty of Arts

## Creative Industries (MA)

The creative sector has grown into a proper industry that takes its main ideas from art and culture: companies borrow ideas from artists and designers, the tourist industry uses literary concepts in their marketing, and art and museums play a large role in city branding. The fashion industry has proven that creativity and commerce fit together effortlessly, but this development needs to be evaluated critically from a historical and theoretical perspective. The Master's programme in Creative Industries provides the tools to do just that, within the context of Cultural Studies.

**Key courses:** Creative Industries, Fashion, Media, Tourism, Material Culture, Trend watching, Creativity in context, Arts education.

**Career prospects:** In this programme you will develop the skills needed to critically reflect on and successfully contribute to the creative industries. Jobs in: cultural institutions, production companies, media, tourism, fashion, government.

**Unique characteristics:**

- The only Master's in Creative Industries in the Netherlands
- Prime location at the heart of art, media and fashion capitals Amsterdam, Cologne and Brussels
- Cooperation with regional cultural museums, art collections, literary and film festivals, art houses and publishers
- Exciting internship possibilities

**Best preparatory Bachelor's:** a Bachelor's degree (or equivalent, from a research university) in a related field to Creative Industries: Cultural Studies, or a Bachelor's of Arts with at least 30 EC in Art History, Cultural Studies and/or Cultural Policy.

**Language requirements:**

- TOEFL score of  $\geq 550$  (paper based) or  $\geq 213$  (computer based) or  $\geq 80$  (internet based)
- IELTS score of  $\geq 6.0$
- Cambridge Certificate of Advanced English (CAE) or Certificate of Proficiency in English (CPE), with a mark of C or higher

**Start date:** September and February

**Duration:** 1 year

Creative Industries is a specialisation of the Master's programme in Cultural Studies.

> More information: [www.ru.nl/masters/creative-industries](http://www.ru.nl/masters/creative-industries)

## Historical, Literary and Cultural Studies (MA - Research Master's programme)



Whether it is the history of Europe, the development of modern European literature or the art of Europe that fascinates you, the Research Master's specialisations are an excellent choice for talented students who want to prepare themselves for an international academic career. Indeed, the diversity of our teaching and research staff will allow you to specialise in almost any subject, and the space we offer for research and studies at home and abroad allows you to put together a training programme that perfectly meets your wishes.

**Specialisations:**

- Historical Studies
- Literary Studies
- Art and Visual Culture

The three Master's degree specialisations have common interdisciplinary courses and each specialisation has disciplinary courses with a considerable amount of space for students to choose courses that fit their specific needs.

**Key courses:** Classical Archaeology; Cultural Studies and Art History; Old and Modern Literature, Ancient History; Medieval History; Economic, Social and Demographic History; Political History.

**Career prospects:** An international academic career, as a PhD researcher in the Netherlands or abroad; jobs in politics, education, journalism, museums or business.

**Unique characteristics:**

- Interdisciplinary approach on the methodology and theory of research within humanities
- Focus on the debates concerning the societal relevance of the humanities
- A personal tutor who is an excellent researcher with relevant expertise for each student
- Small classes

**Best preparatory Bachelor's:** History, Literature or Cultural Studies or a related programme.

**Language requirements:**

- TOEFL score of  $\geq 600$  (paper based) or  $\geq 250$  (computer based) or  $\geq 100$  (internet based)
- IELTS score of  $\geq 7.0$
- Cambridge Certificate of Advanced English (CAE) or Proficiency in English (CPE), with a mark of at least C



**Additional requirements:**

- A grade average of 7.5 in your 2<sup>nd</sup> and 3<sup>rd</sup> years of your Bachelor's studies and your Bachelor's thesis marked a grade of at least 8.0.
- A strong motivation

**Start date:** September

**Duration:** 2 years

> [More information: www.ru.nl/masters/hlcs](http://www.ru.nl/masters/hlcs)

## History (MA)

Situated in the oldest Roman city in the Netherlands, the Department of History at Radboud University Nijmegen offers two English-taught specialisations, which aim to make students astute observers of the past and its profound significance for understanding the contemporary world. Our department is renowned for its pursuit of leading research and for its commitment to an outstanding education, based on active participation by students.

**Specialisations:**

- Present(ed) History
- Roma Aeterna

**Key courses:**

- Present(ed) History: Research Seminars; Historiography and Theory of Present(ed) History
- Roma Aeterna: Reflections of Rome I: Urbi et Orbi: Rome in local and global perspectives; Reflections of Rome II: Monuments and Memory in Rome and Constantinople.

**Career prospects:** History graduates commonly obtain employment in public relations, industrial and public service management, librarianship, archive and museum work, teaching and lecturing, and commercial, business and finance professions.

**Unique characteristics:**

Present(ed) History:

- Explores how the shadow of history casts over the present | how the present frames our interpretation of the past | how history is (ab)used to dictate the future.

Roma Aeterna:

- Focusses on the city of Rome, and the idea of Rome, within a diachronic perspective, thereby bringing together specialists from a broad range of expertise who are all interested in understanding Rome's position of power and its relations with other cities and empires.

**Best preparatory Bachelor's:** History or a related programme.

**Language requirements:**

- TOEFL score of  $\geq 550$  (paper based) or  $\geq 213$  (computer based) or  $\geq 80$  (internet based)
- IELTS score of  $\geq 6.0$
- Cambridge Certificate of Advanced English (CAE) or Proficiency in English (CPE), with a mark of at least C

**Start date:** September

**Duration:** 1 year

> [More information: www.ru.nl/masters/history](http://www.ru.nl/masters/history)

## International Business Communication (MA)

Students who study International Business Communication in Nijmegen learn to apply advanced research techniques to analyse and audit communication in international and multilingual organisational contexts. They gain insights into the latest (theoretical) developments in multiple disciplines, including corporate communications, linguistics and international management, that are relevant to the practice of international business communication. Students develop key competences that allow them to make informed and research-based decisions regarding the communication management and communication design challenges faced by organisations that operate in an international context.

**Key courses:** Global Corporate Communication; Corporate Strategy; Stakeholder Management.

**Career prospects:** A career in business, government, semi-government, or academia; corporate communications manager, press officer, marketing communications manager, communication trainer, social media manager, recruitment manager, or PR consultant in multinationals or organisations with international stakeholders.

**Unique characteristics:**

- Small-scale teaching in an international environment
- Strong theoretical background with a practical orientation
- Hands-on, problem-solving approach

**Best preparatory Bachelor's:** Communication and Information studies or a related programme.

**Language requirements:**

- TOEFL score of  $\geq 580$  (paper based) or  $\geq 237$  (computer based) or  $\geq 92$  (internet based)
- IELTS score of  $\geq 7.0$  (overall),  $\geq 6.5$  (writing)
- Cambridge Certificate of Advanced English (CAE), with a mark of at least B
- Cambridge Proficiency in English (CPE), with a mark of at least C

**Start date:** September

**Duration:** 1 year

International Business Communication is a specialisation of the Master's programme in Communication and Information Studies.

> [More information: www.ru.nl/masters/ibc](http://www.ru.nl/masters/ibc)

## Language and Communication (MA - Research Master's programme)



This programme covers the numerous ways in which written and spoken language is used – for example, to persuade, inform, and exchange ideas. Because communication and the use of language are so tightly interwoven, we take an integrated approach. For example, when other, non-verbal cues are taken into account, understanding spoken language is easier. Such cues may include facial expressions and eye contact. The interrelationships between language and communication have been further illuminated by developments in information and communication technology. These have opened up exciting new areas of research, for example, providing insight into ways in which information from both linguistic and non-linguistic sources can be integrated in multimodal messages.

The Research Master's programme Language and Communication is a two-year programme offered jointly by Radboud University Nijmegen and Tilburg University. Both universities combine cutting-edge research with excellent education. This programme, with its strong emphasis on empirical study, is unique in the Netherlands.

**Key courses:** Foundations of Language and Communication; Corpus and Experimental Methods; 30 EC of specialisation courses; Skills/Methods, Term paper; Grant Proposal Writing; Valorization. In the two lab rotations that are also part of the programme students participate on ongoing research, providing them with the opportunity to gain hands-on experience.

**Career prospects:** A research career, for example by taking a PhD. Many graduates will join research groups in the public and private sector. But this programme also caters for the growing demand from the public and private sectors for people with academic insight and research skills.

### Unique characteristics:

- Use of empirical research techniques to focus on language as it is actually used
- Exploring language and communication as an integrated whole
- Unique partnership between the Faculty of Arts at Nijmegen and the Tilburg School of Humanities
- Collaboration with the Centre for Language Studies (CLS), the Max Planck Institute for Psycholinguistics (MPI) and the Baby Research Centre

**Best preparatory Bachelor's:** Communication Studies, Linguistics, a modern language or a related programme.

### Language requirements:

- TOEFL score of  $\geq 600$  (paper based) or  $\geq 250$  (computer based) or  $\geq 100$  (internet based)
- IELTS score of  $\geq 7.0$
- Cambridge Certificate of Advanced English (CAE) or Proficiency in English (CPE), with a mark of at least C

### Additional requirements:

- A grade average of 7.5 in your 2<sup>nd</sup> and 3<sup>rd</sup> years of your Bachelor's studies and your Bachelor's thesis marked a grade of at least 8.0.
- A strong motivation

**Start date:** September

**Duration:** 2 years

> More information: [www.ru.nl/masters/language](http://www.ru.nl/masters/language)

Anita Slonimska (24)

From: Latvia

Master's programme: Linguistics

Specialisation: General Linguistics

"My sister studied at Radboud University and she told me that the Linguistics programme was really good. She also told me about the University Sports Centre. There are more than 70 sports on offer and – not unimportant – it's affordable! It may seem superficial but the Sports Centre was the main reason I chose to come to Nijmegen. Studying can be stressful and sports is a great way to feel better. When I need an energy boost I go kickboxing, but to relax I prefer Pilates. Student life on the Radboud campus is much more than studying from morning to evening: sports, cultural events and social gatherings. Here you are part of a community."





## Linguistics (MA)



Language use is one of our most complex cognitive abilities. People are able to get their own messages across and to understand other people's utterances. But they also adjust their language in different situations, for example, when listening to someone with a different dialect or sociolect, when speaking to foreigners, when reading a novel or an email, when speaking on the phone, and when chatting.

### Specialisations:

- General programme Linguistics
- Dutch Linguistics
- English Language and Linguistics
- French Linguistics
- German Linguistics
- Spanish Linguistics
- Language and Communication Coaching

**Key courses:** Psycholinguistics; Languages and Society; Linguistic Universals and Diversity; Historical Linguistics of English and Dutch; Translation Studies.

**Career prospects:** Jobs in which linguistic knowledge is applied (language policy, language testing, development of educational material, jobs in communication and publishing companies), either in education, in academic research, in a care institution or in ICT.

### Unique characteristics:

- Small-scale teaching in an international environment
- A possibility to put together your own programme
- Working together with top researchers
- Possibilities for internships in multiple research institutes

**Best preparatory Bachelor's:** Linguistics, Languages, or Communication and Information Sciences, provided you took at least 60 EC worth of courses in the area of linguistics.

### Language requirements:

- TOEFL score of  $\geq 550$  (paper based) or  $\geq 213$  (computer based) or  $\geq 80$  (internet based)
- IELTS score of  $\geq 6.0$
- Cambridge Certificate of Advanced English (CAE) or Proficiency in English (CPE), with a mark of at least C

**Start date:** September and February (Language and Communication Coaching only in September)

**Duration:** 1 year

> More information: [www.ru.nl/masters/linguistics](http://www.ru.nl/masters/linguistics)

## North American Studies (MA)

The world loves American culture, but is deeply distrustful of American power and politics. In Nijmegen, we offer critical insights into both. The Master's programme gives students the opportunity to acquire solid expertise in relation to the concept of 'America' in a variety of fields: US history, literature, culture (including popular culture, film, theatre and art) as well as political history, foreign policy, constitutional law, religion and social science. Radboud University distinguishes itself from other American Studies programmes through its emphasis on the cultural and political relations between the United States, its neighbours and Europe.

### Specialisations:

- Literatures and Cultures of North America in International Perspective
- Transnational America: Politics, Culture and Society

**Key courses:** Theories & Practices; America and the World; Contemporary North American Fiction; Religion and American International Relations; Transatlantic Transfer and Cultural Mobility.

**Career prospects:** Jobs in an international setting, e.g. in school or university education, in research, in journalism or other media, in publishing, museums, international finance, government, business, international affairs or as a diplomat.

### Unique characteristics:

- Dynamic interdisciplinary learning environment
- Possibility to make your own custom-made programme
- High level of communication in (American) English

**Best preparatory Bachelor's:** American Studies or a related programme.

### Language requirements:

- TOEFL score of  $\geq 600$  (paper based) or  $\geq 250$  (computer based) or  $\geq 100$  (internet based)
- IELTS score of  $\geq 7.0$
- Cambridge Certificate of Advanced English (CAE) or Proficiency in English (CPE), with a mark of at least B

**Start date:** September

**Duration:** 1 year

> More information: [www.ru.nl/masters/americanstudies](http://www.ru.nl/masters/americanstudies)



# Faculty of Law

## European Law (LL.M.)

The programme in European Law is primarily designed for students who wish to develop their understanding and knowledge of European Union law with the intent of pursuing a legal career with a strong international dimension. This Master's programme offers a thorough education in European law, including competition law, immigration law, external relations law, judicial protection, human rights law and public international law. Students will gain knowledge of both the internal and external markets of the European Union and the position of Europe in the world. With this LL.M., students gain a sound basis for an international legal career as a European law expert.

**Yonathan Pahlevi (30)**

**From: Indonesia**

**Master's programme: European Law**

**Specialisation: European Business Law**

"I chose Radboud University because they were the first university to accept my application. Unfortunately, getting my visa took a lot longer. All I could do was wait and wait. Two days before departure I got it! Coming to the Netherlands was my first time abroad.

At first I felt like a stranger and a little uncomfortable. But after only a few weeks I began to feel at home and nothing is better than feeling at home while studying abroad. I met people from the Indonesian community and I also made Dutch friends. Life here is comfortable. If I didn't have a job to go back to in Indonesia, I would definitely stay longer."



### Specialisations:

- European Law Advanced
- European Business Law
- Human Rights and Migration Law
- Insolvency Law, joint degree programme with Nottingham Trent University Law School

**Key courses:** European Competition Law; EU External Relations Law; Advanced Notions of EU Law; EU Internal Market Law; Judicial Protection in the EU Protection of Human Rights; European Immigration Law; Finance and Insolvency Law; European and Comparative Company Law; European Private Law.

**Career prospects:** Legal positions in governmental and non-governmental organisations such as UNHCR, international human rights centres, Amnesty International and Greenpeace; jobs in lobbying or consulting firms; starting a law firm.

### Unique characteristics:

- International reputation in the field of European (competition) law, immigration law and private law
- Small-scale teaching
- Personal and interactive approach
- Close contact with lecturers and fellow students
- Excellent supervision

**Best preparatory Bachelor's:** Law degree or equivalent, and knowledge of the basic concepts of international or European Law.

### Language requirements:

- TOEFL score of  $\geq 550$  (paper based) or  $\geq 213$  (computer based) or  $\geq 80$  (internet based)
- IELTS score of  $\geq 6.0$
- Cambridge Certificate of Advanced English (CAE) or Proficiency in English (CPE), with a mark of at least C

**Start date:** September and February

**Duration:** 1 year

> More information: [www.ru.nl/masters/europeanlaw](http://www.ru.nl/masters/europeanlaw)



# Faculty of Medical Sciences

## Biomedical Sciences (MSc)

This Master's programme is suitable for students who wish to do research or who wish to apply biomedical research in practice. A solid base in methodology, biostatistics, laboratory research and communication skills forms an excellent preparation for a career dedicated to improving human health.

### Specialisations:

- Major Clinical Human Movement Sciences
- Major Health Technology Assessment
- Major Epidemiology
- Major Human Health Risk Assessment
- Major Human Pathobiology
- Major Human Toxicology
- Track Infectious Diseases
- Track Human and Environmental Risk Assessment (HERA)

**Key courses:** Clinical toxicology; International health; Neglected diseases; Drug research; Tissue damage; Clinical rehabilitation sciences; Economic analysis in health care; Molecular epidemiology; Multivariate statistical methods; Repair and regeneration in organs; Infectious diseases.

**Career prospects:** Career in academia (PhD), research institutes, government agencies, teaching hospitals, public health organisations or in the pharmaceutical and medical industries.

### Unique characteristics:

- Strong links with research at cutting-edge institutes such as the Radboud Institute for Molecular Life Sciences (RIMLS), Radboud Institute for Health Sciences (RIHS) and the Nijmegen Institute for Infection, Inflammation and Immunity (N4i)
- Individual study programme
- Personal guidance by major tutor
- Availability of full scholarships

**Best preparatory Bachelor's:** Biomedical Sciences, Medical Biology

### Language requirements:

- TOEFL score of  $\geq 550$  (paper based) or  $\geq 213$  (computer based) or  $\geq 80$  (internet based)
- IELTS score of  $\geq 6.0$
- Cambridge Certificate of Advanced English (CAE) or Proficiency in English (CPE), with a mark of C or higher

**Start date:** September

**Duration:** 2 years

> More information: [www.ru.nl/masters/bms](http://www.ru.nl/masters/bms)



## Molecular Mechanisms of Disease (MSc - Research Master's programme)



All diseases have their origin in the disturbance of molecular processes. As a student of the Research Master's programme in Molecular Mechanisms of Disease (MMD) you will follow an educational programme that will provide you with in-depth insight and research experience into the molecular processes underlying health and disease. Such knowledge forms the basis for the development of new therapies for cancer, metabolic, infectious and immunological diseases.

The MMD programme is part of the graduate school of the Radboud Institute for Molecular Life Sciences (RIMLS), one of the research institutes at the Radboud university medical centre (Radboudumc). Research at the RIMLS is aimed at elucidating the molecular basis of disease-related processes and translating these results into the clinic.

It is a key characteristic of the MMD Research Master's programme to offer a challenging and highly structured programme in the full width of the molecular biomedical sciences. 88 percent of our students so far have graduated within two years.

**Key courses:** Infection, Immunity and Regenerative Medicine; Metabolism, Transport and Motion; Cell Growth and Differentiation; Excellence in Communication; Science and Society; Genomics and Statistics; Master classes; Electives according to interest can be selected from other life science curricula.

**Ayşegül Erdem (24)**

**From: Turkey**

**Master's programme: Molecular  
Mechanisms of Disease**

"I love living on the Radboud campus. It's beautiful with lots of trees and parks and people say hello even if they don't know you. And within five minutes I'm at the lab which was especially great in the winter when it was cold! I'm so glad that I get to work on my own projects in the lab. I do an experiment, get critical and constructive feedback and go on to plan and conduct my next experiment. I learn so much working this way. Studying here is both challenging and inspiring. We don't just get taught by top-researches but we also get to talk to patients. It lets us see who we're doing our research for."



**Career prospects:** Research career (PhD); career in academia; career in commercial sector.

### Unique characteristics:

- Very intensive contact with established researchers
- Group-oriented learning and excellent academic resources
- Master classes with top international researchers organised three times a year
- Personal mentor to help students plan their individual programme of study
- Two research internships, of which one abroad in a laboratory of your choice
- Highly international student group of maximally 24 students
- Intensive training in academic writing, presentation skills, writing of grant applications
- Translational bench-to-bedside courses
- Availability of full scholarships

**Best preparatory Bachelor's:** Medical Biology, Molecular Medicine, Biochemistry, Biotechnology or any biomedical education with an emphasis on cell and molecular biology.

### Language requirements:

- TOEFL score of  $\geq 550$  (paper based) or  $\geq 213$  (computer based) or  $\geq 80$  (internet based)
- IELTS score of  $\geq 6.0$
- Cambridge Certificate of Advanced English (CAE) or Proficiency in English (CPE), with a mark of C or higher

### Additional requirements:

- Grades well above average for the 2<sup>nd</sup> and 3<sup>rd</sup> year of your Bachelor's studies
- At least two months of hands-on practical experience
- A strong motivation
- A recommendation for acceptance by RIMLS interviewers

**Start date:** September

**Duration:** 2 years

> More information: [www.ru.nl/masters/mmd](http://www.ru.nl/masters/mmd)



# Faculty of Science

## General information

### Top level education

The Radboud University Faculty of Science offers a broad spectrum of highly ranked Master's programmes. Three of them, Chemistry, Mathematics and Physics & Astronomy, are ranked as the best in their field in the Netherlands (Keuzegids Masters 2014). In every programme you can choose one of several (sometimes interdisciplinary) tracks which are closely linked to our top research:

### Biology (MSc)

- Adaptive Organisms
- Communities and Ecosystems
- Water and Environment

### Medical Biology (MSc)

- Functional Genomics
- Clinical Biology
- Neuroscience

### Molecular Life Sciences (MSc)

- Functional Genomics
- Clinical Biology
- Neuroscience
- Chemistry for Life

### Chemistry (MSc)

- Chemistry for Life
- Physical Chemistry of Molecules and Materials

### Science (MSc)

- Neuroscience
- Chemistry for Life
- Physical Chemistry of Molecules and Materials
- Physics of Molecules and Materials
- Particle and Astrophysics
- Functional Genomics

### Physics and Astronomy (MSc)

- Physics of Molecules and Materials
- Particle and Astrophysics
- Neuroscience

### Mathematics (MSc)

- Applied Stochastics
- Algebra and Topology
- Mathematical Physics
- Mathematical Foundations of Computing Science

### Computing Science (MSc)

- Software Science
- Data Science
- Computer Security (Kerckhoff's Master)
- Mathematical Foundations of Computing Science

### Information Sciences (MSc)

No tracks since this is a one-year programme.

### Career prospects for all programmes

A career in academia (PhD); researcher or manager in industry, in the commercial sector and in leading research institutes, teaching, consultant.

### Language requirements for all programmes

- TOEFL score of  $\geq 550$  (paper based) or  $\geq 213$  (computer based) or  $\geq 80$  (internet based)
- IELTS score of  $\geq 6.0$
- Cambridge Certificate of Advanced English (CAE) or Proficiency in English (CPE), with a mark of C or higher



**Marcia Piñeiro Triñanes (24)**

**From: Spain**

**Master's programme: Biology**

**Specialisation: Environment and Water**

"I first came to Radboud University as a Bachelor's Erasmus student. I liked that there was more work in the labs than back home. Studying in English wasn't as difficult as I thought and I really wanted to do an entire Master's here. The level of education is high because you don't just memorise the theory but have to understand how to apply it to real cases. I like the emphasis on the practical. This programme also has two internships of six months. When doing experiments you can't simply follow a manual. You're expected to be creative and adjust it according to your needs and the situation. That way I learn so much more."

## Adaptive Organisms

This Master's track is part of the Master's programme in Biology.

Adaptive Organisms focuses on processes at the sub-organismal level. Using the latest molecular and physiological tools, the adaptations of organisms to environmental stresses are studied. The regulatory mechanisms are understood, including the genetic constraints, the physiological plasticity and the evolutionary history of the responses of organisms that we see. The programme provides a fascinating overview on the adaptability of plants, animals and micro-organisms to sub-optimal conditions, and conveys crucial information for an understanding of the effects of environmental change. This information is applied in nature management, but also in biotechnology and breeding programmes.

**Key courses:** Orientation in Biology and Environmental Sciences; Genetics and Ecogenomics; Adaptation Physiology Microbiology of Wetland Ecosystems; Molecular Physiology of Plant Stress Adaption.

**Unique characteristics:** Students work closely with researchers from the Institute for Water and Wetland Research (IWWR). Environmental changes have resulted in stress responses of all living biota and impose major challenges to individuals, populations and the ecosystem as a whole. With a focus on aquatic ecosystems and wetlands, research of the IWWR tackles these problems in an original way. The IWWR studies the mechanisms of adaptation to these changes of micro-organisms, plants and animals at the level of the molecule, the cell, the organism and the ecosystem.

**Best preparatory Bachelor's:** Biology or a related programme.

**Start date:** September

**Duration:** 2 years

> More information: [www.ru.nl/masters/adaptiveorganisms](http://www.ru.nl/masters/adaptiveorganisms) or [www.ru.nl/iwvr](http://www.ru.nl/iwvr)

## Communities and Ecosystems

This Master's track is part of the Master's programme in Biology.

Communities and Ecosystems studies the ecology of units of interacting individuals, in populations, communities and ecosystems. The biodiversity and functionally related to the hydrology, nutritional status and landscape configuration of the ecosystem is analysed. Ecogenomics tools are applied to obtain information on unknown components such as microbial composition or evolutionary history of populations. This information shows how different communities (plants, animals, micro-organisms) within an ecosystem are interrelated and interdependent, and how they determine the resilience of the community to environmental stress. This fundamental knowledge is applied in proven applications in nature and water management.

**Key courses:** Genetics and Ecogenomics; Advanced Adaptation Physiology; Microbiology of Wetlands; Molecular Physiology of Plant Stress.

**Unique characteristics:** Students work closely with researchers at the Institute for Water and Wetland Research (IWWR). Environmental changes have resulted in stress responses of all living biota and impose major challenges to individuals, populations and the ecosystem as a whole. With a focus on aquatic ecosystems and wetlands, research of the IWWR tackles these problems in an original way. The IWWR studies the mechanisms of adaptation to these changes of micro-organisms, plants and animals at the level of the molecule, the cell, the organism and the ecosystem.

**Best preparatory Bachelor's:** Biology or a related programme.

**Start date:** September

**Duration:** 2 years

> More information:

[www.ru.nl/masters/communitiesandecosystems](http://www.ru.nl/masters/communitiesandecosystems) or [www.ru.nl/iwvr](http://www.ru.nl/iwvr)

## Water and Environment

This Master's track is part of the Master's programme in Biology.

This track provides students with the insight needed to tackle environmental problems such as climate change, flooding, eutrophication, chemical pollution, habitat fragmentation and bio-invasions. We provide you with the laboratory, field and assessment tools needed to protect ecosystem and human health in the context of multiple environmental pressures.

Courses in this track are closely linked to the research programme of the Radboud Institute for Water and Wetland Research (IWWR), particularly the research groups of Environmental Science, Aquatic Ecology and Environmental Biology; Animal Ecology and Eco-physiology, and Environmental Microbiology. Master's courses are taught by staff of IWWR institute. When you choose the international differentiation Transnational ecosystem based Water Management (TWM), a sub-specialisation in this Master's track, you will partly follow your teaching programme at the University of Duisburg-Essen, and will obtain a double (Dutch-German) master's degree.

**Key courses:**

- *Water & Environment:* Orientation in Biology and Environmental Sciences; Ecological and Environmental Concepts; Management of Ecosystems; Biodiversity and Ecological Assessment; Ecological and Environmental Modelling.
- *Transnational Water Management:* Environmental Economics for Water Management; Sustainable Production and Consumption; Integrated Water Management; Social Aspects Water Management; Water Governance and Spatial Planning.

**Unique characteristics:** Students work closely with researchers from the Institute for Water and Wetland Research (IWWR). Environmental changes have resulted in stress responses of all living biota and impose major challenges to individuals, populations and the ecosystem as a whole. With a focus on aquatic ecosystems and wetlands, research at the IWWR tackles these problems in an original way. The IWWR studies the mechanisms



of adaptation to these changes of micro-organisms, plants and animals at the level of the molecule, the cell, the organism and the ecosystem.

**Career prospects:** After completing this track, you will have the qualifications needed for positions at research institutes, industry, consultancies, universities, governments and other scientific and management oriented organisations.

**Best preparatory Bachelor's:** Biology or a related programme.

**Start date:** September

**Duration:** 2 years

> More information: [www.ru.nl/masters/waterandenvironment](http://www.ru.nl/masters/waterandenvironment) or [www.ru.nl/iwwr](http://www.ru.nl/iwwr)

## Functional Genomics

This Master's track is part of the Master's programmes in Medical Biology, Science and Molecular Life Sciences.

Functional Genomics is situated at the interface of fundamental biological and pre-clinical research from a molecular or cellular point of view. Key components are: infection, immunity, tissue regeneration, cellular growth, differentiation and proliferation, membrane transport and cellular dynamics.

**Key courses:** Trends in Medical Biosciences 1 & 2; Molecular and Translational Oncology; Molecular Mechanisms of Novel Therapeutics; Molecular and Cellular Neurobiology.

**Unique characteristics:** Students work closely with researchers from the Radboud Institute for Molecular Life Sciences (RIMLS). This is a leading multidisciplinary research school within the domain of molecular mechanisms of disease and particularly in the fields of molecular medicine, cell biology and translational research. The RIMLS accommodates research groups from the Radboud University Medical Centre and the Radboud University Faculty of Science.

**Best preparatory Bachelor's:** Medical Biology, Molecular Life Sciences, Science or a related programme.

**Start date:** September

**Duration:** 2 years

> More information: [www.ru.nl/masters/functionalgenomics](http://www.ru.nl/masters/functionalgenomics) or [www.rimls.nl](http://www.rimls.nl)

## Clinical Biology

This Master's track is part of the Master's programmes in Medical Biology and Molecular Life Sciences.

The Master's track in Clinical Biology might be the right choice for you if your passion is linking human physiology or basic principles of molecules and cells to clinical treatment?

Students approach clinical questions from either a human physiology or molecular point of view and learn to develop research questions with a strong translational focus.

Students will specialise during their internships within a research group at the Radboud university medical centre (Radboudumc).

The Radboudumc advances human knowledge by conducting biomedical, translational and clinical research in order to improve wellbeing. It focuses on scientific health challenges of today and in the future.

**Internship:** The internship trainings have a strong multidisciplinary character as students from different educational backgrounds work together with physicians, clinical chemists and clinical physicists. Students work on human patient samples and familiarise themselves with ethical and safety aspects of this work.

**Key courses:** Trends in Medical Biosciences 1 & 2; Molecular and Translational Oncology; Human Genetics; Metabolism, Transport and Motility.

**Unique characteristics:** Students work closely with researchers from the research groups at the Radboud university medical centre (Radboudumc). Radboudumc organises their research around the following themes:

- Molecular life science: Radboud Institute for Molecular Life Sciences (RIMLS)
- Cognitive neuroscience: Donders Centre for Neuroscience
- Evidence-based practice: Nijmegen Centre for Evidence Based Practice
- Oncology: Institute for Oncology
- Inflammatory and infectious diseases: Nijmegen Institute for Infection, Inflammation and Immunity
- Genetic and metabolic diseases: Institute for Genetic and Metabolic Disease

**Best preparatory Bachelor's:** Medical Biology, Molecular Life Sciences or a related programme.

**Start date:** September

**Duration:** 2 years

> More information: [www.ru.nl/masters/clinicalbiology](http://www.ru.nl/masters/clinicalbiology) or [www.rimls.nl](http://www.rimls.nl)



## Neuroscience

This Master's track is part of the Master's programmes in Medical Biology, Physics and Astronomy, Science and Molecular Life Sciences

If your passion is unravelling the workings of the human brain, then the Radboud track in Neuroscience might be the right choice for you. In this programme students approach neurobiological research questions from either a human physiology, molecular, physical or neuroinformatics point of view. They do this by directly studying human subjects or through application of cell and animal models and a wide variety of fundamental, quantitative and medical research tools.

Students specialise during their internships of choice within research groups of the Donders Institute for Brain, Cognition and Behaviour. The Donders Institute covers the full spectrum of research 'from Molecule to Man' and tries to understand mind and brain: 100,000,000,000 neurons with 100,000 kilometers of connections between them, with a storage capacity exceeding that of a supercomputer. That's the amazing human brain!

Internship trainings have a strong multidisciplinary character as students from different backgrounds work together with biologists, chemists, physicists, physicians and social scientists.

**Key courses:** Neuroscience: Systems Neuroscience; Behavioural Neuroscience; Methods in Neuroscience; and Systematic Reviews in Neuroscience

**Unique characteristics:** Students work closely with researchers from the Donders Institute for Brain, Cognition and Behaviour (DI). The Donders Institute operates at the forefront of Neuroscience research with worldwide-acknowledged experts in the fields of Cognitive Neuroscience and Neuroimaging; Systems Neuroscience; the Clinical Neurosciences; Neurophysiology; and Computational Neuroscience. At the Donders Institute biologists, information technologists, physicists and psychologists work together to unravel the human brain.

**Best preparatory Bachelor's:** Medical Biology, Molecular Life Sciences, Physics and Astronomy, Science or a related programme.

**Start date:** September

**Duration:** 2 years

> More information: [www.ru.nl/masters/neuroscience](http://www.ru.nl/masters/neuroscience) or [www.ru.nl/donders](http://www.ru.nl/donders)

## Chemistry for Life

This Master's track is part of the Master's programmes in Chemistry, Molecular Life Sciences and Science.

Research in the area of chemical biology at Radboud University is of the highest level, both national and international. The study programme of Chemistry for Life is closely linked to this top research. It involves the design and synthesis of complex molecular systems, addressing challenging problems in chemical and physical biology. This track sits firmly at the interface between chemistry and biology and will give you a solid foundation in modern synthetic organic chemistry, physical organic chemistry and chemical biology. Furthermore, it will give you insight into the latest fluorescence and scanning probe microscopy tools.

**Key courses:** Chemical Biology; Systems Chemistry; Organic Chemistry of Biomolecules; Instrumental Analysis in (Bio) Molecular Chemistry; Omics.

**Unique characteristics:** Radboud University offers a unique combination of top level organic and biomolecular chemistry research groups at the Institute for Molecules and Materials (IMM). It also has excellent pre-clinical research groups (tumour immunology, nuclear medicine, infective diseases) at the Radboud Institute for Molecular Life Sciences (RIMLS).

The Radboud research setting is unique, as our organic chemists have made strong changes in the biological sciences. They work closely with researchers at the Radboud Institute for Molecular Life Sciences (RIMLS) on, for example, tumour immunology, metabolic diseases, and oncology. This setting provides for the broadest possible range of chemical tools to be applied to a wide variety of biological problems. It guarantees that students will be able to work on projects that run 'from molecule to man', in other words, from the fume hood to a patient in the hospital.

The IMM organic chemistry department was recently awarded a 27 million euro NWO Gravity programme grant. As a student, you will be taught by our top researchers, like ERC advanced grant winners, Prof. Huck and Prof. Nolte and the Gravity programme winner in molecular systems Prof. van Hest.

**Career prospects:** Career perspectives of chemical biologists are very broad: our graduates work in the pharmaceutical industries, but high tech start-ups are also an option. There are numerous opportunities for PhD positions, including the national Graduate School in Chemical Biology.

**Best preparatory Bachelor's:** Chemistry, Molecular Life Sciences or Science or a related programme.

**Start date:** September

**Duration:** 2 years

> More information: [www.ru.nl/masters/chemistryforlife](http://www.ru.nl/masters/chemistryforlife) or [www.ru.nl/imm](http://www.ru.nl/imm)





## Physical Chemistry of Molecules and Materials

This Master's track is part of the Master's programmes in Chemistry and Science.

Research in the area of chemical biology at Radboud University is of the highest level, both national and international. The study programme of Chemistry for Life is closely linked to this top research. It involves the design and synthesis of complex molecular systems, addressing challenging problems in chemical and physical biology. This track sits firmly at the interface between chemistry and biology and will give you a solid foundation in modern synthetic organic chemistry, physical organic chemistry and chemical biology. Furthermore, it will give you insight into the latest fluorescence and scanning probe microscopy tools.

The study programme of the Master's track in Physical Chemistry of Molecules and Materials is closely linked to the University's state-of-the-art research into fundamentally understanding, designing and controlling the functioning of molecules and materials. The Master's track appeals to Chemistry students with a strong interest in Physics and Physics students who want to focus on chemical aspects like self-organisation of complex molecular systems, structure-function relationships of nano structured materials, or the fundamental understanding of the structure of molecules and the way they interact. This study involves theoretical skills and the use and understanding of advanced spectroscopic tools to gain insight into the structure and dynamics of molecules and materials in relation to the intended functionality.

**Key courses:** Advanced Spectroscopy; Materials Science; Physical Chemistry of Molecular Aggregates; Quantum Chemistry or Molecular Dynamics.

**Unique characteristics:** This track offers unique facilities together with the top level research at the Institute for Molecules and Materials (IMM). At this institute physicists and chemists work together at exploring the properties of molecules and materials. The cooperation between the most chemical of chemists and the most physical of physicists in one research institute is unique and has led to many scientific breakthroughs. The IMM owns a series of unique spectroscopic facilities including high field NMR, AFM and STM, the High Field Magnet Laboratory and teraHertz free electron lasers. In combination with the chemistry background of many of the research groups, these facilities make it possible to study chemical and physical properties of molecules and materials at an excellent level.

**Best preparatory Bachelor's:** Chemistry, Science, or a related programme.

**Start date:** September

**Duration:** 2 years

> **More information:** [www.ru.nl/masters/physicalchemistry](http://www.ru.nl/masters/physicalchemistry) or [www.ru.nl/imm](http://www.ru.nl/imm)

## Physics of Molecules and Materials

This Master's track is part of the Master's Programmes in Physics and Astronomy and Science.

The focus in the Master's track in Physics of Molecules and Materials lies on the theoretical and experimental physical properties of new materials, such as graphene, on the nano and molecular scale. The understanding of condensed matter and molecules is an intellectual and technical challenge but is often of great practical importance.

**Key courses:** Topics in Electrodynamics; Solid State Physics; Advanced Statistical Physics; Condensed Matter Theory; Physics of Molecules and Molecular Aggregates.

**Unique characteristics:** The Master's track Physics of Molecules and Materials is strongly linked to the interdisciplinary nature of the research within the Institute for Molecules and Materials (IMM). At this research institute physicists and chemists work together to explore the properties of molecules and materials. The Master's track in Physics of Molecules and Materials provides students with a unique opportunity to choose a research project either purely in fundamental or in applied research, in physics or at the interface of physics with chemistry.

The IMM combines theoretical, experimental and computational approaches and, depending on skills and aptitude, students can focus their research on one or on a combination of these approaches.

IMM has some unique advanced research facilities which are available for students such as the *High Field Magnet Laboratory (HFML)* with the highest available continuous magnetic fields; the *FELIX Facility* with several free electron lasers; the *Trace Gas Facility* with a variety of unique state-of-the-art trace gas detectors, and the NMR with an extensive infrastructure for solid-state NMR research.

We have excellent international staff and teachers, many of whom have been awarded prestigious grants (Spinoza, ERC, Veni, Vidi, Vici) and have close connections with Nobel prize winning research like the research on graphene (Nobel Prize for Physics 2010). Students profit from these excellent facilities and enjoy the direct guidance of these top researchers.

**Best preparatory Bachelor's:** Physics, Science, or a related programme.

**Start date:** September

**Duration:** 2 years

> **More information:** [www.ru.nl/masters/physicsofmoleculesandmaterials](http://www.ru.nl/masters/physicsofmoleculesandmaterials) or [www.ru.nl/imm](http://www.ru.nl/imm)

## Particle and Astrophysics

This Master's track is part of the Master's Programmes in Physics and Astronomy and Science.

The focus in the Particle and Astrophysics track lies on the theoretical and experimental study of the largest and smallest scales in the Universe. The physics of the Higgs particle and the possibilities to go beyond the Standard Model are combined with a fundamental study of the mathematical properties of our space-time and a study of the most extreme conditions in outer space: black holes, neutron stars, cosmic rays, gravitational waves, magnetic fields and the populations and environments in which these occur.

**Key courses:** Astroparticle Physics; Telescope Observing and Seminar; Particle Detection and Acceleration; Introduction to Particle Physics Experiment Analysis; Particle Physics Phenomenology; Quantum Field Theory; Theoretical Foundations of Elementary Particle Physics; the Structure of Space-time; Noncommutative Geometry.

**Unique characteristics:** Students work closely with researchers at the Institute for Mathematics, Astrophysics and Particle Physics (IMAPP). At this institute, the more mathematical approach as well as the physical approach are combined, focusing on new frontiers in mathematical physics (e.g. quantum gravity, non-commutative description of the standard model), high-energy physics (beyond the standard model) and astrophysics (astroparticle physics, physics of black holes and their environments, strong magnetic fields).

**Best preparatory Bachelor's:** Physics and Astronomy, Science, or a related programme.

**Start date:** September

**Duration:** 2 years

> More information: [www.ru.nl/masters/particleandastrophysics](http://www.ru.nl/masters/particleandastrophysics) or [www.ru.nl/imapp](http://www.ru.nl/imapp)

## Mathematical Physics

This Master's track is part of the Master's programme in Mathematics.

This Master's track is suitable for students who want to be thoroughly educated in true mathematical physics. The research fields in this programme include the Hilbert space formalism for quantum mechanics; group representation theory, including the theory of operator algebras; the theory of Lie algebras; Lie groups; algebraic groups, and quantum groups (including their links with special functions and integrable systems); differential geometry; quantisation theory; Schrödinger operators; non-commutative geometry and algebraic quantum field theory. Courses are taught at Radboud University as well as in the national Mastermath and Wonder programmes.

Master's students are encouraged to actively participate in the research activities of the research group. Students may also benefit from the strong neighbouring Radboud group in Algebra & Topology

featuring Spinoza laureate Prof. Ieke Moerdijk (algebraic topology) and Prof. Ben Moonen (algebraic geometry) as full professors. This group also has experience in areas like Poisson geometry (Ioan Marcu) and crystallographic groups (Bernd Souvignier). The ERC-supported quantum information theory project led by Bart Jacobs in Computer Science may be of interest to students, as is the closely related research of Hans Maassen in quantum stochastic calculus in the Applied Stochastics group.

**Local key courses:** Non-commutative Geometry, Quantum Groups, Symmetry Breaking and Higgs Mechanism.

**Mastermath key courses:** Symplectic Geometry, Algebraic Topology; Homotopy Theory, Semisimple Lie Algebras.

**Unique characteristics:** This programme is offered by one of the very few genuine mathematical physics departments in Europe, consisting of Gert Heckman, Klaas Landsman, Erik Koelink, Michael Mueger, Maarten Solleveld, and Walter van Suijlekom. All these people have their unique blend of research and teaching experience in representation theory; operator algebras and non-commutative geometry; quantum field theory; quantization theory; foundations of quantum theory; integrable systems; special functions; quantum groups, and algebraic groups. In addition, the mathematical physics group hosts a sizable and lively population of PhD students.

**Best preparatory Bachelor's:** Mathematics or a related programme.

**Start date:** September

**Duration:** 2 years

> More information: [www.ru.nl/masters/mathematicalphysics](http://www.ru.nl/masters/mathematicalphysics), [www.mastermath.nl](http://www.mastermath.nl) or [www.ru.nl/imapp](http://www.ru.nl/imapp)

## Applied Stochastics

This Master's track is part of the Master's programme in Mathematics.

Stochastics has many applications, both in science and in business. Statistics has been growing exponentially in the last few years (think of "big data"), and statisticians with a strong background in mathematics are highly sought after.

We encourage our students to take up an internship in a company or government organisation to work on a challenging practical problem for their thesis project.

In this Master's track we offer Statistics in Health, suitable for students with a proper mathematical background and an interest in helping medical, often cancer, researchers with challenging statistical questions and stochastic modelling problems. In this programme we join forces with the Biostatistics group of the Radboud university medical centre (Radboudumc) and offer a number of courses on mathematical statistics with applications in health. Students also follow extra courses, such as Epidemiology, at the Radboud Medical Faculty and research and write their Master's thesis in one of the RUNMC research groups.



**Key courses:** Theoretical: Quantum Probability; Stochastic Processes; Time Series; Measure Theoretic Probability  
Applied: Regression Analysis and Non-parametric Statistics; Epidemiology or another relevant course; Applied Statistics; Queuing Theory

**Unique characteristics: Research Institute for Mathematics, Astrophysics and Particle Physics (IMAPP)**

- Research on the foundations of mathematics and (astro)particle physics to push the boundaries of the known
- Possibility to study areas outside the IMAPP domain, such as computer science via computer algebra, economics via financial mathematics and solid state physics via semiconductor detector R&D
- Applied Stochastics is a young and active group of researchers in stochastics, consisting of two professors (Prof. Eric Cator and Prof. Hans Maassen), an assistant professor and a number of post docs and PhD students
- Large experience in supervising Master's students both in theoretical subjects such as asymptotic statistics or interacting particle systems and in more applied subjects, such as working in a company or governmental organisation on a challenging practical problem

**Best preparatory Bachelor's:** Mathematics or a related programme.

**Start date:** September

**Duration:** 2 years

> **More information:** [www.ru.nl/masters/appliedstochastics](http://www.ru.nl/masters/appliedstochastics) or [www.ru.nl/imapp](http://www.ru.nl/imapp) or [www.mastermath.nl](http://www.mastermath.nl)

## Algebra and Topology

This Master's track is part of the Master's programme in Mathematics.

For students with an interest in pure mathematics and its applications, this Master's programme provides a strong theoretical basis as well as excellent opportunities for further specialisation. Students can incorporate individual reading courses or courses from related Master's programmes (e.g. Mathematical Physics and Mathematical Foundations of Computer Science) into this Master's track. Students also are encouraged to actively participate in the research activities of the group. To get a Master's degree, you need to write a thesis about a topic of your choice. Excellent students might apply for our PhD Programme afterwards, but admission is limited and highly selective.

The programme focuses on applications of pure mathematics and interactions with other fields, like Mathematical Physics and Mathematical Foundations of Computer Science. The programme offers a variety of seminars from beginning Master's level to research level. By combining local and national programmes; our staff participate in Mastermath and Wonder, so we can offer a wide range of courses, taught in Nijmegen and Utrecht.

**Key courses:** Algebra, Topology, Geometry, Number Theory, and Logic and Computation.

**Unique characteristics: Institute for Mathematics, Astrophysics and Particle Physics**

All our staff members are active researchers. Together they provide a complete coverage of Algebra, Topology, Geometry, Number Theory, Logic and Computation. In Geometry we offer expertise in complex geometry, algebraic and arithmetic geometry, symplectic and Poisson geometry, Lie theory and representation theory. The group consists of two full professors (Prof. I. Moerdijk, Spinoza Laureate 2012, and Prof. B. Moonen), four permanent members, and a large number of post-docs and PhD students. Our Topology group is part of the Institute for Mathematics, Astrophysics and Particle Physics and is known as one of the leading groups in this area world-wide.

**Best preparatory Bachelor's:** Mathematics or a related programme.

**Start date:** September

**Duration:** 2 years

**More information:** [www.ru.nl/masters/algebratopology](http://www.ru.nl/masters/algebratopology) or [www.ru.nl/imapp](http://www.ru.nl/imapp) or [www.mastermath.nl](http://www.mastermath.nl)

## Mathematical Foundations of Computer Science

This Master's track is part of the Master's programmes in Mathematics and Computing Science.

The emphasis of this track is on a combination of a genuine theoretical and up-to-date foundation in the pertinent mathematical subjects, combined with an equally genuine and up-to-date training in key aspects of theoretical computer science. For this reason, the mathematics courses in this curriculum concentrate on Algebra, General Topology, Logic, Number Theory, and Combinatorics. The computer science courses concentrate on Formal Methods, Type Theory and Theorem Proving.

**Key courses:** Type Theory and Proof Assistants; Coalgebra; Research seminar; Semantics and Domain Theory, Complexity Theory, Computer Algebra.

**Unique characteristics:** Mathematicians from the Institute for Mathematics, Astrophysics and Particle Physics (IMAPP) and theoretical computer scientists from the institute for Computing and Information Sciences (ICIS) join forces. Logic and algebra lie at the basis of information, abstractions, programme correctness, and computer-assisted reasoning. On the other hand, concepts from computer science influence logic and algebra, through algorithmic thinking, computability, and complexity of computations. The interaction is vigorous, and much active research takes place at the boundary of mathematics and computer science. This specialisation is a reflection of this interaction.

**Best preparatory Bachelor's:** Computer Science or Mathematics, or a related programme. Basic knowledge of programming and theoretical computer science is required.

**Start date:** September

**Duration:** 2 years

> [More information: www.ru.nl/masters/mfocs](http://www.ru.nl/masters/mfocs) or  
[www.ru.nl/imapp](http://www.ru.nl/imapp) or [www.ru.nl/icis](http://www.ru.nl/icis)

## Software Science

This Master's track is part of the Master's programme in Computing Science.

Our daily life is governed by software: it supports our medical devices, our social life, the financial markets, our food production, and our transportation. Software will continue to transform all aspects of our lives and culture in the decades ahead. Producing software is not merely a technological enterprise but a deeply scientific one as well. Modern cars drive on 20 million lines of code. How do we develop all this software and control its complexity? How do we ensure correctness of software on which our lives depend? Writing good software is a highly creative process, which requires the ability to approach problems in entirely novel ways through computational thinking.

The Master's track builds on the strong international reputation of the Radboud Institute for Computing and Information Sciences (ICIS) in three closely related areas: Software Technology, Computer-Aided Analysis, and Theory of Computation. Students follow courses in each of these areas. Depending on your interests, you can then specialise in one area, or study the fascinating links between the areas.

**Key courses:** Advanced Programming; Testing Techniques and Model Checking. Courses in Software Technology, Computer-Aided Analysis and Theory of Computation.

### Unique characteristics: Institute for Computing and Information Sciences

Our institute is internationally leading in the area of computer-aided analysis. What makes us unique is the broad range of software analysis techniques that we investigate. We develop tools to analyse and verify software, such as proof assistants, theorem provers, model checkers, resource consumption analysis tools, model-based testing and learning tools, and software metrics tools. We apply these tools in joint projects with companies such as Océ, ASML, Philips Healthcare and SIG. In the 'Devices of the Future Lab' students and staff may experiment with new devices such as smart glasses (e.g. Google glass), smart watches, brain computer interfaces, quadcopters and 3D printers. This lab would provide a perfect environment for research projects within the Software Science track.

**Best preparatory Bachelor's:** Computing Science or a related programme.

**Start date:** September

**Duration:** 2 years

> [More information: www.ru.nl/masters/softwarescience](http://www.ru.nl/masters/softwarescience) or  
[www.ru.nl/icis](http://www.ru.nl/icis)

## Data Science

This Master's track is part of the Master's programme in Computing Science.

A professional data scientist has fine problem-solving, analytical, programming, and communication skills. Those skills are applied to analyse a problem in the light of the available real-world data, to come up with a creative and useful solution, to find or program the right tool to turn the data into knowledge, and to communicate the obtained findings to others. By combining data, computing power and human intellect, data scientists can make a real difference to help and improve our society.

This Master's track trains students to become curious, creative, and competent data scientists. As an academic, we do not just expect you to understand and make use of the appropriate tools, we also want you to program and develop your own programs. Apart from the key course, students can delve deeper into different application areas such as Natural Language Processing; Medical Pattern Recognition; Neuroimaging; Business Rules and/or Bioinformatics. Through various research projects and by joining actual competitions, students will further improve their practical skills.

**Key courses:** Machine Learning; Information Retrieval; Probabilistic Modelling.

### Unique characteristics: Institute for Computing and Information Sciences

- Students develop principled, theoretically sound approaches for the analysis of complex data
- Research guided by real-world problems and data sets, often taken from the biomedical domain
- Close cooperation with data owners, to turn data and domain knowledge into novel insights and tools based on our software and algorithms
- ICIS develops novel methods to cleverly combine different data sources to make the most sense out of all available information
- ICIS is leading in research on legal and privacy aspects of data science and the impact of data science on society and policy

**Best preparatory Bachelor's:** Computing Science, Artificial Intelligence or a related programme.

**Start date:** September

**Duration:** 2 years

> [More information: www.ru.nl/masters/datatscience](http://www.ru.nl/masters/datatscience) or  
[www.ru.nl/icis](http://www.ru.nl/icis)



## Computer security: The Kerckhoffs Master

This Master's track is part of the Master's programme in Computing Science.

This Master's track covers a broad range of topics that is important for computer security. This includes topics in computer science (software, computer networks, and hardware, esp. smart-cards and RFID), but also mathematical aspects (cryptography and security protocols), as well as organisational and management issues, legal aspects, and societal issues (in particular privacy).

In cooperation with Technical University Eindhoven and University Twente, Radboud University offers a programme at the Kerckhoffs Institute for Computer Security. The Kerckhoffs Master is unique in Europe in the breadth and depth it offers in computer security.

**Key courses:** Network security: Cryptography 1; Verification of Security Protocols; Security in Organisations; Security and Privacy in Mobile Systems.

### Unique characteristics: Institute for Computing and Information Sciences

This track is closely linked to the Digital Security group of the institute for Computing and Information Sciences (ICIS), which is one of the top ranked research groups in Computer Science, and the largest research group in computer security in the Netherlands. The group has a strong expertise in technical topics of smartcards and RFID and applied crypto, but also broader expertise in legal aspects of cyber security and privacy. It had international impact with e.g. revealing the insecurity of the MIFARE Classic chip (used for the Dutch public transport smart card and the Oyster card in London, research into specification and verification techniques for object-oriented programmes, and developing the first workable prototypes for privacy-friendly authentication using attributes.

**Best preparatory Bachelor's:** Mathematics, Computer Science or a related programme.

**Start date:** September

**Duration:** 2 years

> [More information: www.ru.nl/masters/computersecurity](http://www.ru.nl/masters/computersecurity), [www.kerckhoffs-institute.org](http://www.kerckhoffs-institute.org) or [www.ru.nl/icis](http://www.ru.nl/icis)

## Information Sciences

There is considerable demand for highly trained information experts who can apply good, user-friendly information technology in a variety of complex organisations. This Master's programme trains students to become an expert coordinator of ICT, people and organisations. The Netherlands is the European leader in information sciences. By providing excellent training in a stimulating research environment, Radboud University is a leader among leaders, producing graduates who ensure that good software is also useable software. Typically, our students are offered jobs before they have graduated. Most graduates go into industry, banking and insurance, or to public sector organisations such as schools and hospitals.

**Key courses:** Architecture and New Challenges; Business Process Architecture in Practice; Business Rules Specification and Application; Reasoning with Computer Support; Security in Organisations.

### Unique characteristics: Institute for Computing and Information Sciences

Students are taught by top researchers and ICT experts of the Institute for Computing and Information Sciences (ICIS). Radboud University is best known for its specialisations in information architecture, systems theory, and the quality and safety of information systems. Therefore, students might be working on better diagnostic techniques in hospitals, or improving banks' capacity to move money safely. Thanks to close contacts with the private sector, we guarantee interesting speakers and a wide choice of internship places. In the latest national research assessment iCIS was ranked first.

**Best preparatory Bachelor's:** Information Sciences or a related programme.

**Start date:** September

**Duration:** 1 year

> [More information: www.ru.nl/masters/informationciences](http://www.ru.nl/masters/informationciences) or [www.ru.nl/icis](http://www.ru.nl/icis)



# Faculty of Social Sciences

## Anthropology and Development studies (MSc)

This programme, which is at the cutting-edge of both social and cultural anthropology and development studies, also draws on knowledge from other disciplines including sociology, political sciences, economics and geography. By developing their own research questions, students are encouraged to delve deeper into the most relevant current local and global issues, including poverty, health, environment, inequality, mobility, multiculturalism and transnational networks. The programme is designed for those who want to break with traditional paradigms.

The programme is organised into two separate tracks. Students will choose one of the following specialisations:

- Anthropology of Mobility
- Development Studies

**Key courses for Anthropology:** Anthropology and Mobility, Specialisation Seminar, Mobility and the Art of Fieldwork, Qualitative Research Methods and Design, and Field Research.

**Key courses for Development Studies:** New Actors in Development, Arrangements in Development Fields, Mixed Methods and Research Design, and Field Research.

**Career prospects:** Jobs in an (inter)national ambience, including in international research, in journalism, government agencies, NGO's, policy-making work, civil society organisations, and multilateral institutions such as the UN or the EU.

### Unique characteristics:

- Cutting edge learning and supporting facilities
- Wide range of international contacts and internship opportunities
- Interpersonal and international teaching approach
- Interactive debates

**Best preparatory Bachelor's:** Anthropology and Development Studies.

### Language requirements:

- TOEFL score of  $\geq 550$  (paper based) or  $\geq 213$  (computer based) or  $\geq 80$  (internet based)
- IELTS score of  $\geq 6.0$
- Cambridge Certificate of Advanced English (CAE) or Proficiency in English (CPE), with a mark of at least C

**Start date:** September

**Duration:** 1 year

> [More information: www.ru.nl/masters/ads](http://www.ru.nl/masters/ads)

## Artificial Intelligence (MSc)

As humans, we may be intrigued by the complexity of any daily activity. How does it actually work to perceive, to act, to decide, and to remember? If, on the one hand, we understand how our own intelligence works, we can use this knowledge to make computers smarter. On the other hand, by making computers behave more like humans, we may be able to learn about how our own cognition works.

The Radboud two-year Master's programme has a distinctly cognitive focus where computational modelling is the central methodology used to:

- Understanding naturally intelligent systems
- Building artificially intelligent systems
- Improving the interaction between natural and artificial systems

Depending on the area of study, the computational models can range from behavioural models of millions of individuals interacting on the web, through functional models of human or robot decision making, to models of individual or networks of artificial neurons. The cognitive focus leads to a highly interdisciplinary programme where students gain skills and knowledge from a number of different areas such as mathematics and computer science, psychology and neuroscience, and a core foundation of artificial intelligence.

### Specialisations:

- *Web and Language Interaction*, with key courses: Trends in Artificial Intelligence, AI at the Web-scale, App-lab: Intelligent mobile apps and Text Mining.
- *Robot Cognition*, with key courses: Trends in Artificial Intelligence, Human-robot interaction, Advances in Human Computer Interaction and Motor Control.
- *Computation in Neural and Artificial Systems*, with key courses: Trends in Artificial Intelligence, Bayesian Neurocognitive Modelling, Cognition & Complexity and Brain-Computer Interfacing in Practice.

**Career prospects:** A career in research (PhD); work for companies interested in both computers and humans; starting your own company to implement your visionary ideas.

### Unique characteristics:

- Access to Robot Lab, Music Studio and EEG lab
- Closely related to research at the internationally renowned Donders Institute for Brain, Cognition and Behaviour, which has facilities for research such as EEG, fMRI and MEG, which students will use during their research
- Close cooperation with the Radboud Behavioural Science Institute and the possibility to work in its Virtual Reality Laboratory



**Best preparatory Bachelor's:** Artificial Intelligence, or an affiliated degree with a sufficiently strong AI-component.

**Language requirements:**

- TOEFL score of  $\geq 550$  (paper based) or  $\geq 213$  (computer based) or  $\geq 80$  (internet based)
- IELTS score of  $\geq 6.0$
- Cambridge Certificate of Advanced English (CAE) or Proficiency in English (CPE), with a mark of at least C

**Start date:** September and February

**Duration:** 2 years

> [More information: www.ru.nl/masters/ai](http://www.ru.nl/masters/ai)

## Behavioural Science (MSc - Research Master's programme)



This Master's programme uses a profoundly multidisciplinary approach to study the processes underlying human behaviour. The focus is on the fields of learning, social cognition, development, psychopathology, health, work, and communication. The programme trains students to become researchers in psychology, education, and related disciplines. It provides a strong theoretical underpinning in behavioural science, solid practical training in research skills, and a thorough training in advanced quantitative data analysis. Methodological approaches include behavioural measures taken through experiments, observations, virtual reality, and self-report, and neuroscientific, genetic and endocrinological techniques.

**Theme courses:** Behaviour Regulation; Neuroscience of Behaviour; Psychobiology of Behaviour; Socialisation and Education; Interpersonal Relations and Interactions; Behavioural Decision Making; Learning, Instruction, and Learning Problems; Developmental Psychopathology; Emotion; Dynamics of Complex Systems; Diagnosis and Treatment; Stress and Health Behaviour; Motivation and Influence; psychopathology, Prevention and Intervention.

**Career prospects:** A career in academia (PhD); a researcher or policy advisor in government agencies or research institutes; a scientist-practitioner.

**Unique characteristics:**

- Voted top-rated Master's programme in the Netherlands (2014)
- Multidisciplinary and multi-method approach to the study of human behaviour
- Freedom in choice of courses
- Two individual research projects
- Research conducted within the internationally renowned Behavioural Science Institute (BSI)
- State-of-the-art research facilities at the BSI
- Part of the BSI Graduate School
- Access to the facilities of the Donders Centre for Cognitive Neuroimaging

**Best preparatory Bachelor's:** Psychology, Pedagogy, Educational Science, Biology, Artificial Intelligence, or a related programme.

**Language requirements:**

- TOEFL score of  $\geq 600$  (paper based) or  $\geq 250$  (computer based) or  $\geq 100$  (internet based)
- IELTS score of  $\geq 7.0$
- Cambridge Certificate of Advanced English (CAE) or Proficiency in English (CPE), with a mark of C or higher

**Additional requirements:**

- A grade average of 7.5 in the 2<sup>nd</sup> and 3<sup>rd</sup> year of your Bachelor's studies
- A strong motivation
- Evidence of interest in research is strongly recommended

**Start date:** September

**Duration:** 2 years

> [More information: www.ru.nl/masters/bs](http://www.ru.nl/masters/bs)



## Cognitive Neuroscience (MSc - Research Master's programme)

This Master's programme studies the cognitive and neural basis of mental processes such as perception, action, language, attention and memory. It focuses on studying the human brain in a multidisciplinary approach (psychology, biology, mathematics, linguistics, medical professionals), provided by the Donders Graduate School for Cognitive Neuroscience (DGCN).

### Specialisations:

- Language and Communication
- Perception, Action and Control
- Plasticity and Memory
- Brain Networks and Neuronal Communication

**Key courses:** Trends in cognitive science; Neuroimaging I; Neurophilosophy; Lab rotations.

**Career prospects:** Career in academia (PhD) or research organisations.

### Unique characteristics:

- Voted the best cognitive neuroscience programme in the Netherlands (2010-2013) with an excellent international reputation
- Personal supervision
- Multidisciplinary approach
- Close connection with research institutes: Donders Institute for Brain, Cognition and Behaviour; the Centre for Language Studies; the Max Planck Institute for Psycholinguistics; the Nijmegen Centre for Molecular Life Science and the Radboud University Medical Centre (Radboudumc)

**Best preparatory Bachelor's:** Psychology, Biology, Linguistics, Physics, Medicine, Behavioural Sciences or a related programme.

### Language requirements:

- TOEFL score of  $\geq 600$  (paper based) or  $\geq 250$  (computer based) or  $\geq 100$  (internet based)
- IELTS score of  $\geq 7.0$
- Cambridge Certificate of Advanced English (CAE) or Proficiency in English (CPE), with a mark of C or higher

### Additional requirements:

- A strong motivation
- Good mathematical skills and knowledge of physics

**Start date:** September and February

**Duration:** 2 years

> More information: [www.ru.nl/masters/cns](http://www.ru.nl/masters/cns)

## Pedagogical Sciences (MSc)

For the Master's programme in Pedagogical Sciences you can choose from two English-taught programmes, both with a specific focus: *Diversities in Youth Care* and *Gifted Education*. However you choose to tailor your studies, you will be trained by experts in your field. They will assist you in making the transition from theoretical study to independent practice, in which you can provide professional guidance and treatment to others. Our Master's graduates are experts in counselling, intervention and more.

The programmes pay a great deal of attention to the experience gained during practice and placement. After graduation you will be well prepared for the current job market.

### Diversities in Youth Care

In this Master's programme, you will learn how diversities such as ethnicity, religion, sex, sexual preference or socio-economic class may influence the kinds of problems children and young people experience. You will learn how they express themselves regarding these issues, and in which ways you need to take these diversities into account as a professional pedagogue.

Nestor Zaragoza Jimenez (28)

From: Mexico

Master's programme: Cognitive Neuroscience  
Specialisation: Plasticity and Memory

"I wanted to study the entire brain and I found Radboud University's multidisciplinary approach makes that possible. For every problem I faced in my research, I always found someone right on campus with the knowledge to help. Even researchers outside my team took the time to talk to me. I found it almost shocking how the principal investigator interacted with me; he was really interested in what I had to say. Every idea was valid. In Mexico there is more hierarchy. I learned about the power of collaboration: you need to share knowledge to gain more knowledge. Even when I leave Nijmegen, I will not lose the network I made."





In the programme you can focus on policy, research and/or counselling. Moreover, you can choose a specific target group or theme (e.g. ethnic minorities, sex, sexuality) and follow optional courses like Gender and Diversities in Organisations, or Poverty, Wellbeing and Social Justice.

You are encouraged to match both the practical training and the writing of your Master's thesis with the subject of your interest. We will facilitate your practical training abroad in the spring semester.

**Key courses for Diversities in Youth Care:** Diversities in Care; Relations and Culture: Embodied Development; Juvenile Law, Policy and Ethics.

**Career prospects:** A job as a policy or research expert in organisations like Unicef, adoption organisations, the EU, local governance, or research organisations.

#### **Gifted Education**

Are you interested in the challenges and problems that gifted and talented children and adolescents meet in and outside the school? Do you want to play a part in meeting those challenges and solving those problems? Then this programme is the way to become a specialist in gifted education and care.

In lectures and study groups about learning processes and learning environment, you will gain insight into the specific characteristics and problems of students in general, and gifted children, adolescents and young adults in particular.

**Key courses for Gifted Education:** Educating the gifted; Learning Processes; Learning Environment; Juvenile Law, Policy and Ethics.

**Career prospects:** A job as an educational adviser in schools or consulting.

#### **Unique characteristics:**

- Strong link between theory and practice
- Elected by students as best Master's in Pedagogical Sciences in the Netherlands (2013)
- Experts on many developmental domains

**Best preparatory Bachelor's:** Pedagogical Sciences, Educational Studies.

#### **Language requirements:**

- TOEFL score of  $\geq 550$  (paper based) or  $\geq 213$  (computer based) or  $\geq 80$  (internet based)
- IELTS score of  $\geq 6.0$
- Cambridge Certificate of Advanced English (CAE) or Certificate of Proficiency in English (CPE), with a mark of C or higher.

**Start date:** September and February

**Duration:** 1 year (60 ECTS)

> More information: [www.ru.nl/masters/pedagogicalsciences](http://www.ru.nl/masters/pedagogicalsciences)

## **Social and Cultural Science (MSc - Research Master's programme)**

This Master's programme is an intensive training for a group of approximately 15 students with a background in social sciences. The interdisciplinary programme covers a wide range of subjects from research into traditional societies in transition, to aspects of modernity in Western societies. Students are trained in social science theories and advanced research methods for cross-cultural comparative study. During the first year, students are trained in comparative social science theories, comparative methodology and advanced research methods, and they additionally complete a minor research project. During the second year, students complete a major research project under supervision of experienced researchers resulting in their Master's thesis.

**Key courses:** Comparative societal questions; comparative social theories; comparative methodology; comparative sociological research; comparative anthropological research; comparative development research; mixed methods; qualitative research methods; structural equation modelling; categorical data analysis; comparative research project.

**Career prospects:** A career in academia (PhD) or research institutes; policy and research work with national or international government agencies.

#### **Unique characteristics:**

- Multidisciplinary and multi-method approach
- Cutting-edge learning and research facilities
- Quality ensured by small number of participants
- Personal supervision
- Close collaboration with the Nijmegen Institute for Social and Cultural Research (NISCO)

**Best preparatory Bachelor's:** Sociology, Cultural Anthropology, Development Studies, Communication Science, Economics, Political Science, Public Administration, Human Geography or a related programme.

#### **Language requirements:**

- TOEFL score of  $\geq 600$  (paper based) or  $\geq 250$  (computer based) or  $\geq 100$  (internet based)
- IELTS score of  $\geq 7.0$
- Cambridge Certificate of Advanced English (CAE) or Proficiency in English (CPE), with a mark of C or higher

#### **Additional requirements:**

- Interest in quantitative and/or qualitative research
- A strong motivation

**Start date:** September

**Duration:** 2 year

> More information: [www.ru.nl/masters/youthcare](http://www.ru.nl/masters/youthcare) or [www.ru.nl/masters/scs](http://www.ru.nl/masters/scs)

# Nijmegen School of Management

## Business Administration (MSc)

Business Administration – unlike similar programmes at other universities – emphasises the social processes that constitute organisations. How do social processes determine the ways in which organisations and management operate and perform? We have chosen an integrated approach, in which classical Business Administration topics are combined with social processes and relationships. This creates a better understanding of the importance of good management and can increase the performance of organisations of all kinds.

### Specialisations:\*

- Business Analysis and Modelling
- International Management
- Marketing
- Organisational Design and Development
- Strategic Human Resource Management
- Strategic Management

**Key courses:** Global Corporate Communication, Marketing Management, Strategic Decision Making, Strategic Change, Organisation Design, Gender and Diversity in Organisations.

**Career prospects:** Management and policymaking positions in the business community, government and the non-profit sector; advising administrators and managers; designing plans and organisational models and implementing them; researcher at a university or research institute.

### Unique characteristics:

- Focus on social processes
- Both theoretical and practical aspects, combined with a thorough training in methodology
- Case studies; action-based and problem-based learning
- Visa Skills Lab facilities to design scenario analyses and stimulate decision-making processes within organisations

**Required Bachelor's programme:** Business Administration (BSc). A pre-Master's programme might be offered to those not having a BSc degree in Business Administration.

### Language requirements:

- TOEFL iBT: score of  $\geq 90$ , sub-scores  $\geq 22$
- IELTS Academic: overall band  $\geq 6.5$ , all bands  $\geq 6.5$
- Cambridge Certificate in Advanced English (CAE): minimum mark C
- Cambridge Certificate of Proficiency in English (CPE): minimum mark C

**Additional requirements:** At least 30 EC in your Bachelor's programme on methodology, statistics, mathematics or equivalent, otherwise a GMAT might be required or a pre-Master's programme might be offered.

**Start date:** September

**Duration:** 1 year

\* [Explanation and courses of all specialisations: www.ru.nl/masters/businessadministration](http://www.ru.nl/masters/businessadministration)

## Comparative Politics, Administration and Society (COMPASS) (MSc)

Comparative Politics, Administration, and Society is a specialisation within the Master's programmes in Public Administration and Political Science. This specialisation has been designed to address the issues and impart the skills necessary for young professionals in contemporary politics and public administration. The specialisation focuses on the latest changes in policymaking and public administration due to emergence of transnational institutions, decision-making in complex multi-governance systems, social and demographic changes, and new technologies.

**Key courses:** Challenges to 21<sup>st</sup> Century representative Democracy; Policy Reform; Multi-Level Governance; Europeanization; Advanced Research Methods.

**Career prospects:** Jobs in international organisations such as the UN, the OECD and EU; public employers, such as local, regional and central government departments; think tanks and advisory bodies; consultancy firms; a career in research (PhD).

### Unique characteristics:

- Small-scale, interactive teaching
- Room for individual specialisation, as students choose their elective courses and their own thesis topic

**Best preparatory Bachelor's:** BA or BSc in Public Administration or Political Science

### Language requirements:

- TOEFL iBT: score of  $\geq 90$ , sub-scores  $\geq 22$
- IELTS Academic: overall band  $\geq 6.5$ , all bands  $\geq 6.5$
- Cambridge Certificate in Advanced English (CAE): minimum mark C
- Cambridge Certificate of Proficiency in English (CPE): minimum mark C

**Start date:** September

**Duration:** 1 year

> [More information: www.ru.nl/masters/publicadministration](http://www.ru.nl/masters/publicadministration)



## Economics (MSc)



Economics offers more than just a Master's degree in Economics; it is a study programme that could be called 'Economics Plus'. In addition to the standard economics package, we will shift your knowledge frontier by offering you a broad perspective on economics, taking into account various disciplines. The programme covers contemporary issues in economics and business. You will acquire in-depth knowledge that can be applied in today's globalising business world. As a result of our excellent research reputation, we can guarantee that you will participate in a state-of-the-art programme. The main advantages of this Master's programme are its strong methodological orientation and broad perspective.

### Specialisations:\*

- Accounting & Control
- Economics & Policy
- Financial Economics
- International Economics & Business
- International Economics & Development
- Multinational Corporate Finance

**Key courses:** Pluralisms in Economics; Methods of Empirical Analysis; International Financial Markets; Culture and Economic Behaviour; Financial Risk Management; Accounting and Governance; Global Marketing; Inequality and Development.

**Career prospects:** Jobs as a economics professional for large and medium sized companies, consultancy firms, government and other not-for-profit organisations in the area of financial and management accounting and control; working for multinational enterprises and consultancy firms that advise on international mergers and acquisitions, and for international organisations like the UN or the World Bank; researcher (PhD).

### Unique characteristics:

- Theoretical and practical aspects
- Interpersonal and social approach
- Latest insights on relevant economic, accounting, and financial trends
- Development of deep understanding, evaluation, and improvement of economic decision-making

**Best preparatory Bachelor's:** Economics (BSc). A pre-Master's programme might be offered to those without a BSc degree in Economics.

### Language requirements:

- TOEFL iBT: score of  $\geq 90$ , sub-scores  $\geq 22$
- IELTS Academic: overall band  $\geq 6.5$ , all bands  $\geq 6.5$
- Cambridge Certificate in Advanced English (CAE): minimum mark C
- Cambridge Certificate of Proficiency in English (CPE): minimum mark C

**Start date:** September

**Duration:** 1 year

\* Explanation and courses of the specialisations:  
[www.ru.nl/masters/economics](http://www.ru.nl/masters/economics)

**Ivailo Sulichky (27)**

**From:** Bulgaria

**Master's programme:** Economics

**Specialisation:** International Economics and Business



"I wanted to study in the Netherlands and Radboud University was judged the best university to study Economics. The programme is intense; very different to back home. There's a lot of reading and preparation is essential to be able to understand the lectures.

It gives you a strong theoretical basis that will be useful later on the job.

It does mean you really need to plan because if you slack, you lose. But with a bit of time management there's still plenty of opportunity to enjoy student life. There's much more to do in Nijmegen than I expected: festivals, bars, events. You'll run out of money before you run out of things to do."

## EMSD: European Master in System Dynamics (MSc)

### Joint programme with:

- University of Bergen, Norway
- University of Palermo, Italy
- New University of Lisbon, Portugal

This joint Master's programme is specifically designed for students who are interested in learning how to initiate strategic change in organisations by using computer simulation models. The programme builds on the strengths of four participating universities:

- Foundations of System Dynamics Model Building in Bergen
- Application of System Dynamics in either Sustainability Issues in Lisbon
- Management, Planning and Control in Palermo
- Organisational Consultation and Group Model Building in Nijmegen

**Key courses:** Principles of Dynamic Modelling and Policy Design, Fundamentals of Dynamic Social Systems, Computer Simulation Models and Organisational Decision-making, Group Model Building, Strategic Decision-making.

**Career prospects:** Jobs with consultancy firms; with strategic planning departments of larger corporations, public administrations or NGOs, own business, academic career (PhD).

### Unique characteristics:

- Two-year programme, study at three universities
- First international Master's programme in System Dynamics in Europe
- Gain cross-cultural experience
- Unique combination of model building and group facilitation skills taught to students

**Best preparatory Bachelor's:** Social Sciences, Management Sciences, Natural Sciences or Engineering Sciences.

### Language requirements:

- TOEFL score of  $\geq 80$  (internet based) Paper based and Computer based TOEFL tests cannot be accepted due to regulations.
- IELTS Academic score of  $\geq 6.0$
- Cambridge Certificate of Advanced English (CAE), minimum mark of C
- Cambridge Certificate of Proficiency in English (CPE), minimum mark of C

**Start date:** 15 August, at University of Bergen, Norway

**Duration:** 2 years

**Deadline application for Erasmus Mundus scholarship:**

1 December

> [More information and online application: www.emsd.eu](http://www.emsd.eu)

## PLANET Europe: European spatial planning, environmental policies and regional development (MSc)

### Joint programme with:

- Cardiff University, Wales, United Kingdom
- Blekinge Institute of Technology, Karlskrona, Sweden

This joint Master's programme is the first integrated European Master's programme that offers a comprehensive education in the rich and dynamic area of European spatial planning and Environmental policies. The programme prepares graduates for a career in strategic spatial planning in Europe and leads to an internationally-recognised double degree (MSc) from leading European planning schools.

### Specialisations:

- European Spatial Planning and Sustainable Development (Nijmegen-Cardiff)
- European Spatial Planning and Regional Economic Development (Nijmegen-Karlskrona)

**Key courses:** Institutional perspectives on societal change and spatial dynamics; Comparative planning; International environmental politics; Researching sustainability.

**Career prospects:** A career in EU institutions, regional and national public authorities; private authorities and NGOs, dealing with environmental planning, regional policy and spatial planning; an academic career (PhD).

### Unique characteristics:

- Unparalleled view of international cooperation through studying in participating universities
- First-hand experience of different European planning systems and practices delivered by international interdisciplinary group of professors and lecturers

**Best preparatory Bachelor's:** Spatially oriented social science disciplines such as Spatial Planning, Human or Economic Geography, Environmental Planning, or other relevant social sciences.

### Language requirements:

- TOEFL score  $\geq 90$  (Internet based), with sub-scores as follows: for listening  $\geq 17$ , for speaking  $\geq 20$ , for reading  $\geq 18$ , for writing  $\geq 20$ . Paper based and Computer based TOEFL tests cannot be accepted due to regulations.
- IELTS Academic score  $\geq 6.5$  (all sub-scores  $\geq 5.5$ )
- Cambridge Certificate of Advanced English (CAE), with a mark of at least B
- Cambridge Proficiency in English (CPE), with a mark of at least C

**Start date:** September, at Radboud University

**Duration:** 2 years

**Deadline application for Erasmus Mundus scholarship:**

1 December

> [More information and online application: www.planet-europe.eu](http://www.planet-europe.eu)



## European Spatial and Environmental Planning (MSc)

European Spatial and Environmental Planning (ESEP) focuses on the international and European dimensions of spatial and environmental planning in EU member states and regions. A core strength of this programme is the combination of a thorough theoretical and methodological foundation, combined with a critical exploration of actual spatial developments and policy processes at European, national, and regional levels.

**Key courses:** Institutional perspectives on societal change and spatial dynamics; Comparative planning; International environmental politics; The EU and domestic impact: Economy, space and environment; European spatial planning, and the EU territorial cooperation agenda.

**Career prospects:** A career in EU institutions, regional and national public authorities; private companies and NGOs, dealing with environmental planning, spatial planning or regional development; a career in academia (PhD).

### Unique characteristics:

- Small student groups and interactive seminars
- Personal supervision for every student's Master's thesis
- Close links between the curriculum and research within the Nijmegen School of Management
- Research seminars and lectures by visiting professors
- International networks and the possibility for research or study abroad

**Best preparatory Bachelor's:** Spatially oriented disciplines such as Spatial Planning, Human Geography, or Environmental Planning.

### Language requirements:

- TOEFL iBT: score of  $\geq 90$ , sub-scores  $\geq 22$
- IELTS Academic: overall band  $\geq 6.5$ , all bands  $\geq 6.5$
- Cambridge Certificate in Advanced English (CAE): minimum mark C
- Cambridge Certificate of Proficiency in English (CPE): minimum mark C

**Start date:** September

**Duration:** 1 year

> [More information: www.ru.nl/masters/esep](http://www.ru.nl/masters/esep)

## Human Geography (MSc)

Human Geography is a research field that focuses on studying the spatial behaviour of people, firms, and organisations. Or, to put it simply, it is a study programme that observes the relationship between human activities and their spatial environment. Because it is an integrative discipline, Human Geography serves as an excellent platform for integrating knowledge from various related disciplines, such as sociology, anthropology, psychology, history, political science, international relations, philosophy, economics, business administration and development studies.

### Specialisations:\*

- Conflicts, Territories and Identities
- Economic Geography
- Europe: Governance, Borders and Identities
- Globalisation, Migration and Development
- Urban and Cultural Geography
- Free specialisation: combination of courses of your own choice

**Key courses:** Economic Geographies; City and Region Marketing; Geopolitics of Borders; Conflicting Theories; Political and Geographical Conflict Resolution; Cross-Border Governance; Urban and Cultural Geography; Globalising Cities; International Migration and Development; Multiculturalism, Diversity and Space; Economy, Space and Culture.

**Career prospects:** Jobs at (international) research institutes, international companies, or at consultancy firms. Top-ranking positions, in private industry as well as in national and international governmental and non-governmental organisations can also be found.

### Unique characteristics:

- International and interpersonal approach
- Small groups
- Cutting-edge contents
- Research facilities and a wide range of internships
- Field excursions abroad within selected specialisations
- Possibility to do Master's programme in Dual Mode
- According to external evaluations, one of the best Human Geography Master's programmes in the Netherlands

**Best preparatory Bachelor's:** Human Geography, Planning, Environment, or a related programme.

### Language requirements:

- TOEFL iBT: score of  $\geq 90$ , sub-scores  $\geq 22$
- IELTS Academic: overall band  $\geq 6.5$ , all bands  $\geq 6.5$
- Cambridge Certificate in Advanced English (CAE): minimum mark C
- Cambridge Certificate of Proficiency in English (CPE): minimum mark C

**Start date:** September

**Duration:** 1 year

\* [Explanation and courses of all specialisations: www.ru.nl/masters/humangeography](http://www.ru.nl/masters/humangeography)

## Political Science (MSc)



Power shapes politics, but what shapes power in the 21<sup>st</sup> Century? Political Science offers a unique opportunity for highly motivated students to prepare for a rewarding career in leading positions in the public and private sector.

### Four specialisations

You can choose from four specialisations:

#### International Relations

In the Master's specialisation in *International Relations* you learn to investigate global cooperation and conflict from different perspectives and to analyse the essential players that shape global politics: governments, international organisations, media, businesses and NGOs.

#### Political Theory

The Master's specialisation in *Political Theory* gives you the opportunity to study various aspects of the relationship between political power and morality. The central question here is whether political principles, institutions, and practices can ever be legitimate. What may we force each other to do? What should we do?

#### Comparative Politics

The Master's specialisation in *Comparative Politics* focuses on political challenges faced by contemporary (non-)democracies in a globalising world, such as growing inequalities, new demands on representative institutions, and pressures created by both migration and demographic change.

#### Comparative Politics, Administration and Society (COMPASS)

The Master's specialisation in *Comparative Politics, Administration and Society* connects Political Science with Public Administration, addressing issues of multilevel governance and the effect of EU and international policymaking on national governments and public policies.

**Key courses:** Current Debates in International Relations Theory; Global Political Economy; Contested (non)Democracies: Fragmentation, Conflict, and Consensus in Contemporary Politics; The Politics of Reform; Recognition, Redistribution and Citizenship.

**Career prospects:** Jobs in consulting, (inter)national diplomacy, with the EU, in local, regional and national government, with business, (international) NGOs, media and think-tanks. A sizeable number go on to pursue a PhD in Political Science.

### Unique characteristics:

- Ranked best Master's programme in Political Science by students in Elsevier's Higher Education Supplement
- Ranked best Master's programme in Political Science by the influential 2013 Master Keuzegids, a guide to Master's programmes in the Netherlands
- International and interpersonal approach, internationally oriented staff
- Small groups
- Research facilities and wide range of internship selection

**Best preparatory Bachelor's:** Political Science or International Relations. A BA or BSc in Public Administration gives access to the COMPASS and Comparative Politics specialisations.

### Language requirements:

- TOEFL iBT: score of  $\geq 90$ , sub-scores  $\geq 22$
- IELTS Academic: overall band  $\geq 6.5$ , all bands  $\geq 6.5$
- Cambridge Certificate in Advanced English (CAE): minimum mark C
- Cambridge Certificate of Proficiency in English (CPE): minimum mark C

**Start date:** September

**Duration:** 1 year

> More information: [www.ru.nl/masters/politicalscience](http://www.ru.nl/masters/politicalscience)



# Faculty of Philosophy, Theology & Religious Studies

## Philosophy (MA - Research Master's programme)

Philosophy has a unique role in contemporary society. Unlike other academic disciplines, its subject matter is not limited to one set of questions, or one domain of investigation. Philosophers poke their noses into all aspects of science and society. In order to do this, they must possess two essential skills: the ability to analyse complex issues logically and conceptually, and the ability to document their conclusions in clear and persuasive language. Such skills are not innate, they require intensive training. This programme is the first professional step towards the acquisition of these skills.

### Specialisations:

- Metaphysics and Epistemology
- Philosophical Anthropology
- Social and Political Philosophy
- Philosophical Ethics
- Philosophy of Mind
- History of Philosophy
- Philosophy of Language and Logic

**Key courses:** Philosophical ethics; Methodology; Mind and Action; History of Philosophy; Philosophy of Language; Social and Political Philosophy.

**Career prospects:** Research within academia (PhD) in the Netherlands or abroad; Teaching philosophy at secondary schools; research-related professions outside of education, e.g. in journalism, science policy and politics.

### Unique characteristics:

- A combination of internationally acclaimed research and excellent teaching
- An extensive offer of research seminars
- A personal supervisor who guides you throughout the programme
- A high chance of obtaining a PhD position in the Netherlands or abroad

**Best preparatory Bachelor's:** Philosophy or a related programme.

### Language requirements:

- TOEFL score of  $\geq 577$  (paper based) or  $\geq 233$  (computer based) or  $\geq 90$  (internet based)
- IELTS score of  $\geq 6.5$
- Cambridge Certificate of Advanced English (CAE) or Proficiency in English (CPE), with a mark of at least C

### Additional requirements:

- A grade average of at least 7.5 in the 2<sup>nd</sup> and 3<sup>rd</sup> years of your Bachelor's studies. A weighted grade-point average in philosophy in the 2<sup>nd</sup> and 3<sup>rd</sup> year of your Bachelor's studies must be the equivalent of 7.5 or more (on the Dutch scale of 10).
- A strong motivation.

**Start date:** September and February

**Duration:** 2 years

> More information: [www.ru.nl/masters/philosophy](http://www.ru.nl/masters/philosophy)

**Alex Williams (34)**

**From:** England

**Master's programme:** Philosophy

**Specialisation:** Philosophy of Language and Logic



"It can be very difficult to find a Philosophy master's in English on the continent. Radboud University not only offers a Research Master's in Philosophy, but thanks to the wide range of specialisations I found a programme that really suited my interests. The programme really is challenging. Teachers expect quite a lot from you. They give you free range to find a research topic, which is great but also daunting. They do give plenty of guidance, though. 'You're interested in this? Well, have a look at this, and this, and this research.' I loved going away with lots to read that inspired me to form my own ideas."



## Philosophy and Science (MA)

Philosophy and science don't mix. Or do they? What we nowadays call 'science' used to be part of 'philosophy'. Both Isaac Newton and Charles Darwin saw their most famous works as treatises in natural philosophy. And today, the two are still closely connected. We look to science for both answers to our theoretical questions and solutions to our practical problems. The Master's specialisation in Philosophy and Science analyses the relation of philosophy and science in terms of their historical development, as well as the current situation. Students will get a better understanding of the evolution, the current status and the implications of the scientific worldview.

### Key courses:

- Evolution of Body and Mind: Philosophical Issues
- Science, Technology and the Human Condition

**Career prospects:** Professionally, it prepares you for several possible avenues, including science administration, research, journalism, and policy-making.

### Unique characteristics:

- Philosophy as subject is an integral part of all the faculties, making it easy to combine Philosophy with any discipline and to contact researchers in all fields.
- The programme is run by the Centre for the History of Philosophy and Science: the only centre in the world that studies philosophy and science as historically intertwined phenomena.
- Teaching takes place in a stimulating, collegial setting with small groups.

**Best preparatory Bachelor's:** Philosophy or other with a philosophical component of at least 60 EC.

### Language requirements:

- A TOEFL score of  $\geq 577$  (paper based) or  $\geq 233$  (computer based) or  $\geq 90$  (internet based)
- A IELTS score of  $\geq 6.5$
- Cambridge Certificate of Advanced English (CAE) or Certificate of Proficiency in English (CPE) with a mark of C or higher

**Start date:** September and February

**Duration:** 1 year

Philosophy and Science is a specialisation within the Master's in Philosophy.

> More information: [www.ru.nl/masters/philosophyandscience](http://www.ru.nl/masters/philosophyandscience)

## Theology (MA)

The Master's programme in Theology at Radboud University is a comprehensive academic programme in which students can choose a general programme or to specialise in one of the following disciplines: Literary, Historical, Systematic or Practical Theology. In the programme, students become adept at analysing the central concepts and practices of faith in order to contribute to the implementation of the tasks of theology in our current world, especially science, church and society.

### Specialisations:

- *General Theology*: a broad programme focussing on all disciplines
- *Literary Theology*: the study of the source texts of Judaism and Christianity
- *Church History*: Church History, Historical Theology, Canon Law
- *Systematic Theology*: Fundamental Theology, Dogmatic Theology, Theological Ethics, Spirituality, Philosophy of Religion, Intercultural Theology
- *Practical Theology*: Pastoral Theology, Missiology, Liturgical Studies, Feminist Theology

**Key courses:** In the first two years students will follow seminars on at least three of the four disciplines, giving them a broad theological basis. At the same time students can choose to focus on one of the specialisations. In the third year, all students conduct research in one of the four disciplines. This research may be done outside the Netherlands.

**Career prospects:** Scientific researcher, spiritual counsellor, teacher of religious studies, or administrative manager.

### Unique characteristics:

- The programme is closely linked to research carried out by the Faculty of Theology
- All students have a personal tutor and work in an inspiring, international environment
- Partial scholarships available

**Best preparatory Bachelor's:** Theology, or a related programme, e.g. Religious Studies

### Language requirements:

- TOEFL score of  $\geq 550$  (paper based) or  $\geq 213$  (computer based) or  $\geq 80$  (internet based)
- IELTS score of  $\geq 6.0$
- Cambridge Certificate of Advanced English (CAE) or Proficiency in English (CPE), with a mark of at least C

**Start date:** September and February

**Duration:** 3 years

> More information: [www.ru.nl/masters/theology](http://www.ru.nl/masters/theology)



# International Master's programmes

Page	Title	Programme	Duration	Tuition EEA students (approx. per year)	Tuition non-EEA students	Deadline EEA students	Deadline non-EEA students	Language requirements	Start
<b>Faculty of Arts</b>									
18	MA	Creative Industries	1 year	€ 1,906	€ 9,570	1 May & 1 December	1 April & 1 November	• TOEFL 550/213/80 • IELTS 6.0 • CAE/CPE C or higher	September & February
18	MA	Historical, Literary and Cultural Studies	2 years	€ 1,906	€ 9,570	15 April	15 February	• TOEFL 600/250/100 • IELTS 7.0 • CAE/CPE C or higher	September
19	MA	History	1 year	€ 1,906	€ 9,570	1 May	1 April	• TOEFL 550/213/80 • IELTS 6.0 • CAE/CPE C or higher	September
19	MA	International Business Communication	1 year	€ 1,906	€ 9,570	1 May	1 April	• TOEFL 580/237/92 • IELTS 7.0 overall, 6.5 writing • CAE B or higher, CPE C or higher	September
20	MA	Language and Communication	2 years	€ 1,906	€ 9,570	15 April	15 February	• TOEFL 600/250/100 • IELTS 7.0 • CAE/CPE C or higher	September
21	MA	Linguistics	1 year	€ 1,906	€ 9,570	1 May & 1 December	1 April & 1 November	• TOEFL 550/213/80 • IELTS 6.0 • CAE/CPE C or higher	September & February*
21	MA	North American studies	1 year	€ 1,906	€ 9,570	1 May	1 April	• TOEFL 600/250/100 • IELTS 7.0 • CAE/CPE B or higher	September
<b>Faculty of Law</b>									
22	LLM	European Law	1 year	€ 1,906	€ 9,570	1 May & 1 December	1 April & 1 November	• TOEFL 550/213/80 • IELTS 6.0	September & February**
<b>Faculty of Medical Sciences</b>									
23	MSc	Biomedical Sciences	2 years	€ 1,906	€ 10,537	1 May	1 April	• TOEFL 550/213/80 • IELTS 6.0 • CAE/CPE C or higher	September
24	MSc	Molecular Mechanisms of Disease (research Master's)	2 years	€ 1,906	€ 10,537	1 May	1 April	• TOEFL 550/213/80 • IELTS 6.0 • CAE/CPE C or higher	September
<b>Faculty of Science</b>									
26	MSc	Biology	2 years	€ 1,906	€ 10,537	1 May	1 April	• TOEFL 550/213/80 • IELTS 6.0 • CAE/CPE C or higher	September
26	MSc	Chemistry	2 years	€ 1,906	€ 10,537	1 May	1 April	• TOEFL 550/213/80 • IELTS 6.0 • CAE/CPE C or higher	September
26	Msc	Computing Science	2 years	€ 1,906	€ 10,537	1 May	1 April	• TOEFL 550/213/80 • IELTS 6.0 • CAE/CPE C or higher	September
26	MSc	Information Sciences	1 year	€ 1,906	€ 10,537	1 May	1 April	• TOEFL 550/213/80 • IELTS 6.0 • CAE/CPE C or higher	September
26	MSc	Mathematics	2 years	€ 1,906	€ 10,537	1 May	1 April	• TOEFL 550/213/80 • IELTS 6.0 • CAE/CPE C or higher	September
26	MSc	Medical biology	2 years	€ 1,906	€ 10,537	1 May	1 April	• TOEFL 550/213/80 • IELTS 6.0 • CAE/CPE C or higher	September
26	MSc	Molecular life Sciences	2 years	€ 1,906	€ 10,537	1 May	1 April	• TOEFL 550/213/80 • IELTS 6.0 • CAE/CPE C or higher	September
26	MSc	Natural Sciences	2 years	€ 1,906	€ 10,537	1 May	1 April	• TOEFL 550/213/80 • IELTS 6.0 • CAE/CPE C or higher	September

\* Language and Communication Coaching starts in September only.

\*\* Insolvency Law starts in September only.



Page	Title	Programme	Duration	Tuition EEA students (approx. per year)	Tuition non-EEA students	Deadline EEA students	Deadline non-EEA students	Language requirements	Start
26	MSc	Physics and Astronomy	2 years	€ 1,906	€ 10,537	1 May & 1 December	1 April & 1 November	<ul style="list-style-type: none"> <li>• TOEFL 550/213/80</li> <li>• IELTS 6.0</li> <li>• CAE/CPE C or higher</li> </ul>	September & February
<b>Faculty of Social Sciences</b>									
34	MSc	Anthropology and Development studies	1 year	€ 1,906	€ 9,570	1 May	1 April	<ul style="list-style-type: none"> <li>• TOEFL 550/213/80</li> <li>• IELTS 6.0</li> <li>• CAE/CPE C or higher</li> </ul>	September
34	MSc	Artificial Intelligence	2 years	€ 1,906	€ 10,537	1 May & 1 December	1 April & 1 November	<ul style="list-style-type: none"> <li>• TOEFL 550/213/80</li> <li>• IELTS 6.0</li> <li>• CAE/CPE C or higher</li> </ul>	September & February
35	MSc	Behavioural Science (research Master's)	2 years	€ 1,906	€ 9,570	1 May	1 April	<ul style="list-style-type: none"> <li>• TOEFL 600/250/100</li> <li>• IELTS 7.0</li> <li>• CAE/CPE C or higher</li> </ul>	September
36	MSc	Cognitive Neuroscience (research Master's)	2 years	€ 1,906	€ 10,537	1 May & 1 December	1 April & 1 November	<ul style="list-style-type: none"> <li>• TOEFL 600/250/100</li> <li>• IELTS 7.0</li> <li>• CAE/CPE C or higher</li> </ul>	September & February
36	MSc	Pedagogical Sciences	1 year	€ 1,906	€ 9,570	1 May & 1 December	1 April 1 November	<ul style="list-style-type: none"> <li>• TOEFL: 550/213/80</li> <li>• IELTS 6.0</li> <li>• CAE/CPE C or higher</li> </ul>	September & February
37	MSc	Social Cultural Science (research Master's)	2 years	€ 1,906	€ 9,570	1 May	1 April	<ul style="list-style-type: none"> <li>• TOEFL 600/250/100</li> <li>• IELTS 7.0</li> <li>• CAE/CPE C or higher</li> </ul>	September
<b>Nijmegen School of Management</b>									
38	MSc	Business Administration	1 year	€ 1,906	€ 9,570	1 May	1 April	<ul style="list-style-type: none"> <li>• TOEFL iBT ≥90, sub ≥22</li> <li>• IELTS Academic ≥6.5, sub ≥6.5</li> <li>• CAE/CPE minimum mark C</li> </ul>	September
38	MSc	Comparative Politics, Administration, and Society (COMPASS)	1 year	€ 1,906	€ 9,570	1 May	1 April	<ul style="list-style-type: none"> <li>• TOEFL iBT ≥90, sub ≥22</li> <li>• IELTS Academic ≥6.5, sub ≥6.5</li> <li>• CAE/CPE minimum mark C</li> </ul>	September
39	MSc	Economics	1 year	€ 1,906	€ 9,570	1 May	1 April	<ul style="list-style-type: none"> <li>• TOEFL iBT ≥90, sub ≥22</li> <li>• IELTS Academic ≥6.5, sub ≥6.5</li> <li>• CAE/CPE minimum mark C</li> </ul>	September
40	MSc	EMSD: European Master in System Dynamics	2 years	€ 4,000	€ 8,000	1 December	1 December	<ul style="list-style-type: none"> <li>• TOEFL iBT ≥80</li> <li>• IELTS Academic ≥6.0</li> <li>• CAE/CPE minimum mark C</li> </ul>	15 August
40	MSc	PLANET Europe: European spatial planning, environ- mental policies and regional development	2 years	€ 4,000	€ 8,000	1 December	1 December	<ul style="list-style-type: none"> <li>• TOEFL iBT ≥90</li> <li>• IELTS Academic ≥6.5</li> <li>• CAE: minimum mark B</li> <li>• CPE: minimum mark C</li> </ul>	September
41	MSc	European Spatial and Environmental Planning	1 year	€ 1,906	€ 9,570	1 May	1 April	<ul style="list-style-type: none"> <li>• TOEFL iBT ≥90, sub ≥22</li> <li>• IELTS Academic ≥6.5, sub ≥6.5</li> <li>• CAE/CPE minimum mark C</li> </ul>	September
41	MSc	Human Geography	1 year	€ 1,906	€ 9,570	1 May	1 April	<ul style="list-style-type: none"> <li>• TOEFL iBT ≥90, sub ≥22</li> <li>• IELTS Academic ≥6.5, sub ≥6.5</li> <li>• CAE/CPE minimum mark C</li> </ul>	September
42	MSc	Political Science	1 year	€ 1,906	€ 9,570	1 May	1 April	<ul style="list-style-type: none"> <li>• TOEFL iBT ≥90, sub ≥22</li> <li>• IELTS Academic ≥6.5, sub ≥6.5</li> <li>• CAE/CPE minimum mark C</li> </ul>	September
<b>Faculty of Philosophy, Philosophy and Science, Theology and Religious studies</b>									
43	MA	Philosophy (research Master's)	2 years	€ 1,906	€ 9,570	1 May & 1 December	1 April & 1 November	<ul style="list-style-type: none"> <li>• TOEFL 577/233/90</li> <li>• IELTS 6.5</li> <li>• CAE/CPE C or higher</li> </ul>	September & February
44	MA	Philosophy and Science	1 year	€ 1,906	€ 9,570	1 May & 1 December	1 April & 1 November	<ul style="list-style-type: none"> <li>• TOEFL 577/233/90</li> <li>• IELTS 6.5</li> <li>• CAE/CPE C or higher</li> </ul>	September & February
44	MA	Theology	3 years	€ 1,906	€ 1,906	1 May & 1 December	1 April & 1 November	<ul style="list-style-type: none"> <li>• TOEFL 550/213/80</li> <li>• IELTS 6.0</li> <li>• CAE/CPE C or higher</li> </ul>	September & February



REYKJAVIK

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