

# Favourites



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## Experimental Physics

Utrecht University

Master Postgraduate Utrecht

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### Course description

Qualification Master of Science

Field of study Mathematics, natural sciences and computer science

Course summary Particle physics deals with the building blocks of matter and the forces between them. The programme offers courses on all aspects of the Standard Model of Particle Physics, including Nuclear Physics.

Course description Particle physics is one of the strong areas within Experimental Physics in Utrecht. The slightly broader field of Subatomic Physics (including also Nuclear Physics) has a long tradition of excellence at Utrecht University, recently Utrecht has concentrated more on high profile research on elementary particles. The research is performed in international collaborations at research centers in the USA and in Europe. Nationally, the group cooperates in the Nikhef consortium. For the teaching programme in the MSc there is a strong cooperation with the Amsterdam universities. Utrecht is the only Dutch university to contribute to ALICE, one of the large experiments at the new accelerator LHC at CERN in Geneva. The research has an intimate connection to different areas of theoretical physics (Quantum Field Theory, Relativistic Hydrodynamics and even String Theory) and is of relevance also for Astrophysics. It uses state-of-the-art technologies in particle detection, electronics and computing.

Study subjects The programme is divided into two separate years. As a student you will start with the taught year, and mostly work on research and research-oriented seminars in the second year. Course part (1st year): 55-65 ects Particle physics (NS-PP401M): 12,0 ects Strong interactions (NS-PP402M): 6,0 ects Primary optional courses: 24 ects or more Secondary optional



courses: 18 ects or less Research part (2nd year): Thesis: 65-55 ects More information:  
www.uu.nl/master/paph onder Study Programme

Course objectives Graduates will be able to conduct independent and original research in applied and experimental physics.

ECTS credits 120.00

Duration 24 month(s)  
full-time

Language of instruction English

Instruction modes lecture, self study, literature study, research, tutorial, research project

Accreditation NVAO

## About the institution

Department Faculty of Science

Information about the institution Commitment, inspiration, ambition and independence are Utrecht University's core values. The University fosters its academic community through investment in staff and students.

## Admission

Admission requirements

Cambridge Certificate in Advanced English B1

Cambridge Certificate of Proficiency in English C1

Language requirements IELTS overall band 6.5

IELTS writing 6

TOEFL computer based 237

TOEFL internet based 93

TOEFL paper based 580

Professional experience required -

Duration 24 month(s)  
full-time

**Start date EU/EEA Students Non-EU/EEA students**

Application deadlines 1 Sep 2019 1 Apr 2019 1 Apr 2019

1 Feb 2020 1 Sep 2019 1 Sep 2019

1 Sep 2020 1 Apr 2020 1 Apr 2020

**Year EU/EEA Non-EU/EEA Institutional**

No tuition fees available.



In short, the following rules apply:

- Tuition fees
- The "EU/EEA rate" is the regular fee for students from within the EU/EEA.
  - The "non-EU/EEA rate" is the rate for students from outside the EU/EEA.
  - The "institutional rate" is for all students who have already obtained a bachelor's or master's degree and who want to start a second programme leading to a degree at the same level or at a lower level.
  - Note that FT, PT and D stand for "full-time", "part-time" and "dual", respectively.

Make sure you contact your institution to find out what rate applies to you. The rates listed here are estimates.

Scholarships

Holland Scholarship, Utrecht Excellence Scholarship

For more scholarships, visit: [www.grantfinder.nl](http://www.grantfinder.nl)

Course website

[More information about the course](#)

## Contact

Contact information for the study programme

Contact information for the institution

study info  
studievoorlichting@uu.nl

Telephone number

Course website

[More information about the course](#)

Institution website

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