

Science, Technology and Innovation Studies: MSc, MPhil and MA programs in the Netherlands

The Netherlands offers an exceptionally strong set of MSc, MA and MPhil Programs in Science and Technology and Innovation Studies, which results from the leading positions Dutch scholars have in this field. These programs are offered by institutes at distinct Dutch universities. Many of these universities also collaborate in the Netherlands Graduate Research School WTMC. It should be stressed, however, that the master programs are the responsibility of the universities, whereas WTMC is a collaborative initiative of the universities.

Participants in the WTMC PhD program should have a MSc, MA or MPhil degree, preferably in the study of Science, Technology and Innovation Studies or a degree with a sufficient basis in the social sciences and/or humanities. Moreover, participants must have been accepted as PhD candidate by a professor in a Dutch university (a professor with *ius promovendi*). Therefore, unlike the situation at many non-Dutch graduate schools, prospective participants cannot directly apply for a PhD position in WTMC.

Since a MSc, MA or MPhil degree in the study of Science, Technology and Innovation Studies is the preferred background for WTMC PhD students, we'll inform you about four of these programs. Three of these programs are *two-year programs* and thus offer ample opportunities, both in terms of courses and relevant traineeships to deepen your insights in and experiences with the rich field of Science, Technology and Innovation Studies. All programs are international programs. In case of questions, please contact the coordinators of the programs directly. Their names are enlisted with the information on the programs.

MSc program Philosophy of Science, Technology and Society (PSTS) Twente University

Philosophy of Science, Technology and Society (PSTS) is a unique two year international program intended for students with (at least) a bachelor's degree in engineering science, natural science, environmental science, life science or information science. Students with a degree in other areas – and PhD students – may also apply, provided they can show extensive knowledge of and acquaintance with developments in science or engineering.

The educational program of the PSTS master consists of a one-year (predominantly philosophical) core program, followed by two broad specialization tracks. The specialization tracks are:

- The philosophical track Philosophy of Technology (PoT)
- The multidisciplinary track Science, Technology and Society (STS).

Within these two tracks, various specializations are possible. Near the middle of the second year, students start working on their master's thesis.

Students have the opportunity to spend the second year of the program, or part thereof, at a university other than Twente, e.g. in Lancaster, Stockholm, Delft, Aalborg, Lisbon, Manchester, Madrid, Paris, or Atlanta. We have several students from all over the world studying with us in Enschede.

For more information visit the website: www.psts.utwente.nl or contact Jan van Diepen at j.p.vandiepen@gw.utwente.nl.

Come and study the meaning of science and technology in today's world!

Research MA Science and Innovation Management (SIM) Utrecht University

The SIM-program is a two year international Masters program in which students are trained to analyze and influence innovation processes. The programme combines natural science and social science knowledge and skills. It offers various theoretical approaches to explain the dynamics of innovation, technology and society. Methods and techniques are taught to determine the viability of technologies and innovation processes. The focus includes science and technology policy as well as innovation projects of firms. A key notion is the 'innovation system': the way in which firms, researchers, governments and intermediaries interact in producing and using new technologies.

The programme offers three tracks:

- *Energy and Materials*: The use and management of natural resources and fuels, based on the principle of sustainability.
- *Mobility and Infrastructure*: Analysis of innovations in infrastructure and transport systems from a multi-actor perspective.
- *Medical Biotechnology*: The development of new medicines and the assessment of new applications.

SIM courses include (all 7.5 ECTS):

- Theory of Organizational Learning and Innovation
- Advanced Analysis of Innovation Systems
- Methods & Techniques of Innovation Analysis
- Qualitative Methods of Innovation Research
- Systems Analysis (per track)
- Advanced Analysis of Technology Policy
- Project Innovation Processes

For more information, visit our website:

<http://www.bachelor.uu.nl/index.cfm/site/Masters/pageid/19BE960D-20ED-5DD2-53D432474A575BB6/objectid/0CC0C7CB-E081-2E3C-90F90C7798AC1B9F/objecttype/mark.apps.utm.contentobjects.masterplan/index.cfm>

or contact Dr. ir. Harro van Lente: +31-30-253 7807 / h.vanlente@geo.uu.nl

Research MPhil Cultures of Arts, Science and Technology (CAST) Maastricht University

The research master CAST is a selective, two year, international program that aims to train young academics to do research into the interrelations between science, technology, the arts and modern culture. The central tenet of CAST is that science (including the humanities and social sciences), technology and the arts are such pervasive constituents of highly developed modern societies that our modern culture can only be understood when these key roles are recognized and studied. Science, technology and arts have an impact on both Culture with a capital C and on culture in the anthropological sense. On the other hand, culture has an impact on science, technology and the arts. Science, technology and the arts are, finally, also cultures themselves. CAST explicitly combines the perspectives of the humanities and the qualitative social sciences.

In the first semester, students are introduced to the state of the art and to the methodologies in studying the cultures of arts, science and technology. In the second semester one of three optional modules is chosen, and a joint project is carried out. In the third semester, students work as research assistants in knowledge intensive institutes and (foreign) research universities. The fourth semester is for writing a thesis.

For more information: www.castresearchmaster.net > Prospective Students > Programmes > Masters > Researchmaster Cultures of Arts, Technology and Science
Contact Person: Prof. dr. ir. Wiebe Bijker w.bijker@tss.unimaas.nl

Master European Program on Society, Science and Technology (ESST) Maastricht University

General information ESST MA program:

The ESST program is a one year International Master Program taught in English in collaboration with 14 European universities.

This one year master explores the interrelated worlds of scientists, engineers, politicians, and citizens by examining the values, language, history, politics, and economics of modern cultures of innovation. Therefore the focus of the program is on:

- The political and cultural analysis of the modern knowledge society
- The social and economic analysis of different cultures of innovation
- Ethical reflection on scientific and technological development.

The first semester consists of five modules of intensive coursework, providing a solid background in the field of Science and Technology Studies.

Module 1: Introduction in Science and Technology Studies

Module 2: Science and Technology in the Making

Module 3: Interpreting the History of Science and Technology

Module 4: Globalization and Regulation of Science and Technology

Module 5: The Politics of Knowledge.

The second semester is devoted to original research in an area of specialization.

The ESST program is designed to provide training for students of different backgrounds: social science, natural science, humanities and engineering.

For more information: www.ESST.unimaas.nl

Program-Coordinator: Dr. Jessica Mesman (j.mesman@TSS.unimaas.nl)