

MASTER OF SCIENCE EDUCATIONAL SCIENCE & TECHNOLOGY

UNIVERSITY OF TWENTE.



INTRODUCTION

MASTER EDUCATIONAL SCIENCE & TECHNOLOGY

Improve learning in schools and organisations with the latest educational insights as a researcher, designer or consultant. Education is one of the key factors that bring growth and progress into society. But what does education ideally look like in the 21st century? What motivates people to engage in learning? And what is the possible impact of technology on learning and personal development? The Master's in Educational Science & Technology at the University of Twente turns you into an educational expert, substantially improving learning processes and environments.

FOCUS AND DISCIPLINES

This one-year, English-taught Master's is for anyone who is fascinated by facilitating learning but does not necessarily dream of becoming a teacher. The scope of this Master's is very wide: from designing learning materials for primary school children and young people in secondary and higher education to training and leadership development for adult employees, such as nurses, teachers, civil servants or managers. Eventually, you will engage in meaningful educational breakthroughs as a researcher, designer or consultant.

INTERESTS AND AMBITIONS

In this Master's, you will learn all about theories of learning and assessment. From advising organisations to designing instruction materials, this Master's provides you with hands-on experience through many (and diverse) real-life cases. You might design an instruction tool for residents of a retirement home who want to learn how to use a tablet, or you might write an actual advice report for an organisation that wants to implement e-learning tools in its development programmes. In all cases, you will turn scientific insights into meaningful solutions. You get taught by some of the best teachers and researchers in the field, as University of Twente is leading in the field of Educational Science & Technology.

CAREER PERSPECTIVES

As an Educational Science & Technology graduate, you can become a researcher, an educational designer, a consultant – or merge all three into your personal career path. After graduation, you will have excellent job prospects in a variety of settings, for example, educational or training consultancy firms, educational publishers, corporate HR departments, schools, or the government sector. Our students find a job shortly after graduation, most of them even within three months!

You might become a corporate trainer, an innovation manager or a learning & development project manager at an international non-governmental organisation, a researcher specialised in child learning, an E-learning multimedia consultant and designer, or a policymaker or adviser at the Ministry of Education or another governmental or educational body. Whichever path you choose, this degree will help you stand out as a specialist in 21st-century learning and development.

QUICK FACTS

Degree	Master's degree in Educational Science and Technology	CROHO	60023
Faculty	Behavioural Management and Social Sciences	Duration	1 year
Language	English-taught	Start	1 Sep 2024 1 Feb 2025
Web	ut.onl/est		

MASTER'S STRUCTURE

HOW TO COMPOSE YOUR MASTER'S?

You have a great deal of freedom to structure your Master's Educational Science & Technology according to your interests and ambitions, thanks to the broad range of elective courses you can choose from, some of which you will not easily find elsewhere. This way, you get to develop your own expertise and unique profile.

During your Master's in Educational Science & Technology, you will collect a total of 60 EC within one year. This is what the Master's programme looks like: everyone starts with the obligatory, 10 EC course

Perspectives on learning in education and work. Furthermore, you choose a number of **elective courses** from the offer of electives, depending on your preferred content and on your enrolment moment (September/February).

Semester 1:

- Team learning at work
- Designing learning and performance support
- Learning and instruction
- HRD & technology in a live context
- 4CID for complex learning
- Educational measurement

Semester 2:

- Regulation and facilitation of workplace learning
- Innovative technology-based learning environments
- Learning and instruction
- Leadership and organizational change
- Teaching learning and development
- Educational measurement

The second half of the Master's programme is largely spent on the Final Project trajectory. Check our website for more information and course descriptions.

ut.onl/est-curriculum

CUSTOMISE YOUR MASTER'S

A large part of the content is customisable, which means you get to actively shape your learning path. This way, you will build your own expertise. You can choose to focus your study programme on the field of Formal Education or Human Resources Development, or you can choose a more blended approach, by mixing electives of both fields. In your Final Project you can work on a preferred project that is closely related to the research and expertise of the teaching staff.

FULL-TIME OR PART-TIME

You can choose to follow this Master's full-time or part-time. The full-time programme takes 1 year. If you choose to pursue this Master's in part-time mode, it will take 2 years to complete the programme.

Essential for part-timers:

You need to have at least 2, but preferably 3, days per week available for study purposes. Studying part-time in EST means you will take fewer courses per quartile, so the study load is stretched over a longer period of time. But there are no part-time adjustments within courses. Classes are usually scheduled on two fixed days as much as possible, enabling you to combine the part-time Master's with for example your part-time job or other activities or responsibilities.



"I find it remarkable that, even though people naturally feel a deeper need to learn, learning can sometimes be perceived as boring as well. I am interested in what motivates people to engage in learning."

- Minke Brinkman -

SUZANNE'S EXPERIENCE

"Although I had an interest in education, I knew that I did not want to become a teacher. However, I did want to know how people learn from each other within a company. That's why I chose to study Educational Science & Technology."

FOCUS ON DESIGN

This programme focuses on designing learning materials and learning environments. You learn to think like a designer. I use that knowledge in my everyday work, and also when designing meetings. When I organise a meeting, I want to design the different aspects of it, in a way that there is the greatest possible chance of achieving what we want. By creating an agenda with inviting questions as agenda items you get a different conversation than when you use an agenda with statements. The place where you meet also matters, for example, when you want to create new plans for a specific part of a city it is helpful to look for an inspiring place in that area and arrange for a meeting with the people who live there.

CURIOSITY IS NECESSARY FOR KNOWLEDGE SHARING

As a consultant at Kessels & Smit I am involved in stimulating knowledge productivity by designing meaningful encounters that allow people to ask questions and share experiences. Sharing knowledge works best when people have questions and start to look for answers. Nancy Dixon, a well-known researcher in the field of HRD taught me a lot about 'the neglected receiver of knowledge sharing'. She says that knowledge starts flowing between people as soon as one of them has a question and feels invited to ask. I organise workshops and meetings in different types of businesses to improve knowledge sharing between people.

SHARING STORIES AT AN FACILITY FOR ELDERLY CARE

Let me give a concrete example: I have worked on a project for an elderly care facility that wanted to do more personalised care. We proposed to organise an encounter to see what kind of experiences the teams already had in that area and started by collecting stories of moments in which they already experienced personalised care. During one of those round table sessions, the story came up of a resident who was very worried about his money and always restlessly walked around with his bank card. The team found out that this man had always worked with numbers. Then they got the idea to sit with him and have a look at his bank statements. They started doing this once a week, and they noticed that this made him much calmer and perhaps even happier! By having caregivers share stories on how they provide personalised care, these professionals share their implicit knowledge with one another. It is a learning process in which it becomes clear how much they already do and know, what they can learn from each other, and what they still want to learn. After the round-table discussions, we heard that the team members found it very valuable to hear the stories from each other. They felt good because it became clear how much they were already doing, and they felt inspired by each other's stories.



"As a consultant at Kessels & Smit I am involved in stimulating knowledge productivity by designing meaningful encounters that allow people to ask questions and share experiences."

- Suzanne Verdonschot -



NICE-TO-KNOW STUDENT INFORMATION

There are a couple of things you should know before you apply for the Master's in Educational Science & Technology.

YOUR FUTURE CAREER

With the skills and knowledge you will acquire in the Master's in Educational Science & Technology, many doors will open to you, whether it's in the field of Human Resource Development or the field of Formal Education. Do you have a great business idea? At the University of Twente, you can turn it into reality! We have a unique approach of putting scientific knowledge to practical use and turning our expertise and yours into solutions that people and society actually need. As a catalyst for meaningful entrepreneurship, we offer you the Novel-T foundation & the start-up hub Incubase on campus.

WHERE DO GRADUATES WORK?

The types of functions you could take on are also highly varied. You could focus on educational design, research or consultancy. There are actually many jobs in which you can combine these elements. Examples of jobs you could pursue include corporate trainer, educational or programme adviser, course developer, e-learning designer, school inspector, educational policymaker, developer of educational software or serious games, education and training quality coordinator or training consultant, and the list goes on. Alternatively, you can expand your specialist expertise by pursuing a PhD or PDEng programme as facilitated by UT's Twente Graduate School (TGS).

ut.onl/phd

You can start your Master's in either September or February. In the event you need to follow the pre-master's first, you can also start in either September or February.

ADMISSION REQUIREMENTS

Applicants for the Master's programme should have a bachelor's degree or an equivalent qualification from a recognised university or accredited academic institution in a discipline closely related to that of the Master's in Educational Science & Technology. Go to our website for more information about admission requirements.

ut.onl/est-admission

Additional requirements for international students

Success in your studies requires a high level of English proficiency. Therefore, prospective Master's students with an international degree must meet the English language requirement. Visit our website for more information about the additional requirements for international students.

ut.onl/est-admission-int

DUTCH UNIVERSITY OF APPLIED SCIENCES (HBO)

Depending on your previous education, you may need to complete a pre-master's first. It is possible to start the pre-master's in either September or February. After successfully finishing your pre-master's, you can directly enter the Master's. It is also possible to complete the pre-master's as a minor during your Bachelor's degree. For more specific admission requirements, visit our pre-master's website.

ut.onl/est-premaster

DO THE ONLINE ELIGIBILITY CHECK

Our eligibility check is designed to assist you as a student **holding a non-Dutch diploma**. This online test gives you an indication of your eligibility to be admitted to the master's of your interest and takes about five minutes to complete. Start the check!

ut.onl/check

GET SUPPORT 24/7 DURING YOUR APPLICATION

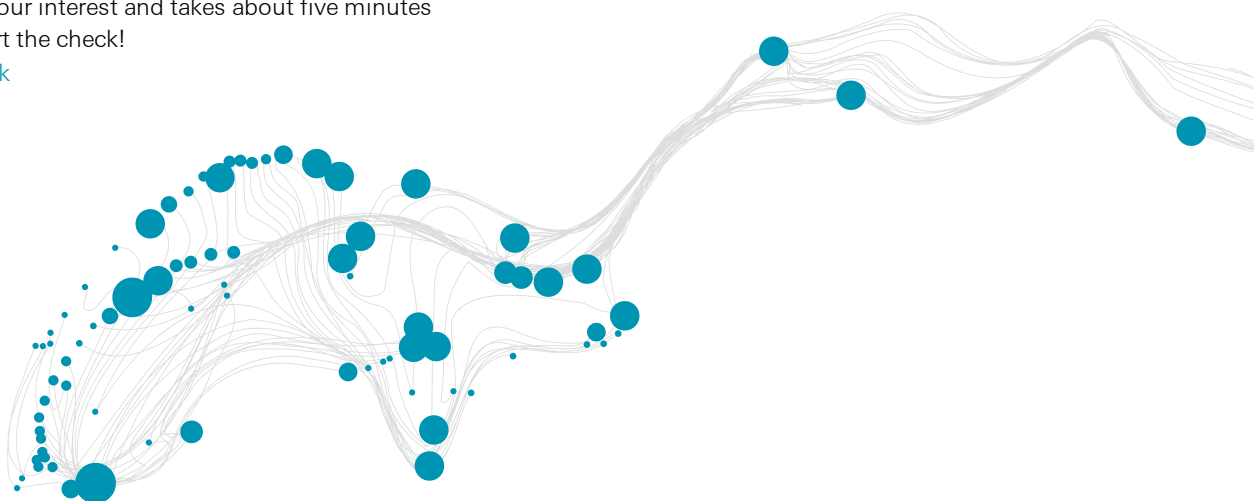
Do you have questions about your **transfer options, deadlines, starting dates or costs**, to name just a few topics? Collecting all relevant information to apply for a study can be daunting. Even though everything can be found on our websites, the amount of information you need to read can seem overwhelming. This is where chatbot Sam comes in! Together with this handy and fast conversation method, you can browse through all the information you need to apply. Start up a chat!

ut.onl/chatbot

GET HELP IN CHOOSING A STUDY

What will you study and where? Sign up for our orientation activities and events like the Open Days or an online meet-up with a student. Have a look at the study choice calendar!

ut.onl/calendar



GET IN TOUCH

Questions about a study programme of your interest? Whatever your question is, we will be happy to help you.



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WHY CHOOSE TO STUDY AT UT?

As a UT student, you will learn how to use innovative technologies to influence today's societal challenges meaningfully. You will benefit from excellent, highly personalised education and research in fields ranging from social sciences and engineering to natural sciences and life sciences. You will learn to work with experts from other disciplines and cultures. In doing so, you will develop in-depth professional knowledge and intensive personal growth.

Your study location is our campus: a dynamic community for young people to work, live and socialise. It's a breeding ground for brilliant ideas, where you follow academic education and apply your new skills in the various state-of-the-art labs. This is also where you meet up with friends, play sports or visit the theatre. You can even go for groceries or catch up in the bar. And downtown Enschede is just a 10-minute bike ride away!

1ST
UNIVERSITY WITH THE
MOST SOCIETAL
IMPACT IN NL

 **12,492**
STUDENTS IN TOTAL

 **1,600+**
PROFESSIONALS
TRAINED

 **114**
NATIONALITIES

 **380**
LAB FACILITIES

 **3,000**
STUDENT APARTMENTS

 **46**
SPORT ASSOCIATIONS

 **18**
CULTURE
ASSOCIATIONS

