MASTER OF SCIENCE
EDUCATIONAL SCIENCE & TECHNOLOGY

UNIVERSITY OF TWENTE.



INTRODUCTION
MASTER EDUCATIONAL SCIENCE & TECHNOLOGY

Education is a key factor in growth and progress in society. But what motivates people to learn? And what role can technology play in this? You will learn to analyse, design and guide learning and change processes using for example digital technologies such as virtual reality and e-learning. This Master's turns you into an educational expert, improving learning in schools and organisations and making education effective, attractive and future-proof.

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. For example designing learning materials for primary school children and young people in secondary and higher education. Or 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

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 work on adaptive game-based tools to enhance math education at primary schools, or 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, 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 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 2026 1 Feb 2027
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. The programme contains of 20 EC obligatory courses, mainly in the first semester. In addition, you can choose 20 EC of elective courses spread over the year. In the second semester, you will collect 20 EC for the final project.

Obligatory courses

- Learning and instruction
- Lifelong learning in a changing society
- Assesment of learning and performance
- Your agency, balance, career and development

Elective courses

- Team learning at work (block 1A)
- Designing learning and performance support (block 1A)
- The art and science of change (block 1B)
- 4CID for complex learning (block 1B)
- Leading & organising employee-driven innovation (block 2A)
- Innovative technology-based learning environments (block 2A)
- Crafting meaningful and motivating learning experiences (block 2B)
- Teacher learning and development (block 2B)

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 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 the field of Human Resources Development. You can also choose a more blended approach, by mixing electives of both fields. In your final project you can work on a preferred project from the offer of the programme 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. Both options offer a start in either September or February.

Essential for part-timers:

You need to have at least 2, but preferably 3, days per week available for study purposes. Studying part-time 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 (not guarenteed) 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, 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)

If you have a degree from a University of Applied Science, you need to complete a (partial) 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 current Bachelor's degree. For more specific admission requirements, visit our pre-master's website.

ut.onl/est-premaster

DO THE ONLINE ELIGIBILITY CHECK

Want to know if you're eligible for this Master's programme? Complete our online eligibility check in just five minutes. The e-check is designed for prospective students with an international bachelor's degree and provides an indication of whether you meet the admission requirements. For applicants with an international degree, completing the e-check is mandatory.

ut.onl/check

GET SUPPORT 24/7 DURING YOUR APPLICATION

Applying for a master's programme can be challenging. Whether you have questions about deadlines, admission requirements, starting dates, tuition fees or transfer options, chatbot Sam is here to help. Available 24/7, Sam guides you through the application process and helps you find the information you need in no time. Start a chat and get instant support.

ut.onl/chatbot

GET HELP IN CHOOSING A STUDY

Wondering which study programme suits you and what it's like to study at the University of Twente? Join an Open Day, Online Meet-up with a student, or another information event.

ut.onl/choosingastudy

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?**

A leading, technology-driven university with a personal atmosphere – that is the University of Twente (UT). Driven by the vision that technology only truly matters when it benefits society, we encourage an entrepreneurial approach with plenty of room to take initiative.

Based in Enschede, in the east of the Netherlands, our green campus is home to a close-knit, international community where professors know students by name and make a real impact together.

11,966
STUDENTS IN TOTAL

4,266
INTERNATIONAL STUDENTS

120
NATIONALITIES

66,000+
GRADUATES WORKING WORLDWIDE

380
LAB FACILITIES

3,000
STUDENT APARTMENTS ON CAMPUS

43
SPORTS ASSOCIATIONS

14
CULTURE ASSOCIATIONS

