

International Double Degree Master's Programme Business Information Systems & Data Science

An international **double** Master's **degree** from the universities of Twente and Münster

Interested in Data Analytics and Business Intelligence? Study Information Systems with an emphasis on Data Science in an international setting at two renowned universities.

Extend your professional and personal global experience

The MSc double degree in **Business Information Systems & Data Science** will prepare you for an international and intercultural future in many different ways.

- *Prepare for an exciting career as an expert at the intersection of information systems and data science in a complex, globalized world.*
- *Grow personally from moving to another country and exposing yourself to new perspectives on learning and living.*
- *Experience different cultures, not just German and Dutch, but many others also, thanks to the University of Twente's strong international profile.*
- *Benefit from two very different educational models, as you study in a classic German model as well as in a more interdisciplinary, project-based model in Twente.*
- *Benefit from the distinctive expertise of two universities in the domain of data science.*

Why study "Business Information Systems & Data Science"

- **Combine two learning environments and two diplomas**
Studying in two learning environments will strengthen the development of a broad set of knowledge and competencies.
One of the University of Twente's distinguishing characteristics is its practical application of scientific knowledge and combining in this management sciences with technological innovations. Societal impact is one of our university's core values and we have a strong focus on connecting theory with the real-life challenges of today's businesses and society.
The fundamental and in-depth focus on theory taught in Münster will strengthen your academic expertise and will support you in a specialist's approach to creative problem-solving.
A successful study of this program results in the Master of Science in Information Systems degree from WWU as well as the Master of Science in Business Information Technology from UT.
- **Combine distinctive features and expertise of two universities.**
This program is an excellent way to combine the innovative entrepreneurial and technological oriented design approach of Twente with the in-depth fundamental approach of the University of Münster.
- **Gain a wealth of international, intercultural, and interdisciplinary experience**
Studying at two universities in two neighboring countries will enrich you personally and boost your career. In your future career, you will increasingly be dealing with people, organizations, and issues that transcend the traditional national, cultural, and disciplinary

boundaries. An added factor is the UT's strong international profile. The colorful blend of students and staff from all over the world will prepare you for that reality. You will approach subjects and topics from a distinct cross-border perspective. And in your team projects, you will gain experience in working with team members from other countries and disciplines. This is important because, in our view, the best and most future-proof solutions nowadays emerge where different disciplines, cultures, and experts meet.

- **Grow professionally and personally.**

In addition to thorough professional knowledge and skills, you will develop a broad set of 21st-century skills and personal competencies throughout this program. You will learn to recognize and anticipate trends and developments. You will develop a work ethos centering on self-reflection and lifelong learning. You will be challenged to collaborate across disciplinary and cultural boundaries. You will benefit from Münster's outstanding education and the UT's magnificent campus and small-scale educational environment with its informal, personal approach aimed at helping you to flourish professionally and personally. You will learn to manage tasks, communicate, and to give and receive feedback. In short: you will become a competent, internationally oriented business professional.

- **Broaden your career perspectives**

After your graduation, whether you intend to stay in academia or join the industry, you will enjoy a wide variety of career opportunities. Your acquired skills as well as the experience of studying across borders make you an attractive hire for companies and institutions alike.

Study program

The study program of this double degree consists of two tracks. One track for students who start at the UT (UT track) and one for students who start at WWU (WWU track). After the first year at your starting institution, you will transfer to the partner institution.

The curricula for each of the tracks are given hereafter:

Table 1a: Curriculum for each Track (UT to SBE & SBE to UT)

Semester	UT to SBE	EC	Total EC	Semester	SBE to UT	EC	Total EC
Nomination	Enrollment to the regular Master program at UT and application for Double Degree program.			Nomination	Enrollment to the regular Master program at SBE and application for Double Degree program.		
1. Winter	Location: Twente			1. Winter	Location: Münster		
Q1:	<i>Elective T.1: One course out of the following three:</i>	5	30		IM: Task & Techniques	6	24
	a) <i>Management and Governance of Innovation & Creativity</i>				BI: MIS&DWH	6	
	b) <i>Simulation</i>				BI: Data Analytics 1	6	
	c) <i>Multi-Agent Systems</i>				<i>Elective M.1</i>	6	
Q1:	Basic Machine Learning	5					
Q1	Enterprise Architecture	5		2. Summer	Münster		24
Q2:	Enterprise Security	5		Observe the application process	Conventional seminar (elective but mandatory)	6	
Q2:	Business Process Integration Lab	5			Project seminar (elective but mandatory)	12	
Q2:	Advanced Machine Learning	5			BN: Network Economics	6	
2. Summer	Twente		10	3. Winter	Twente		
Q3:	Empirical and design science	5		Q1:	<i>Elective T.1: One course out of the following three:</i>	5	30
Q3:	<i>Elective T.2: (Data Science, Implementation of IT in organizations, or global strategy and business development)</i>	5			a) <i>Management and Governance of Innovation & Creativity</i>		
					b) <i>Simulation</i>		
					c) <i>Multi-Agent Systems</i>		

Admission and enrolment

Business Information Systems and Data Science is a **double degree** available to students starting in each of the regular degree programs, the MSc Business Information Technology diploma of the University of Twente, and the MSc Information Systems of the University of Münster.

Starting at the University of Twente means following the **UT track** and starting from the University of Münster means following the **SBE track**.

If you would like to enroll in the double degree program you should apply for one of the regular degrees according to its standard admission and selection process. After admission, you get the opportunity to apply for the double degree program. Admission to this program is possible once a year. Students enrolled in one of the regular degree programs and having an average grade in their Bachelor of 7.0 (or above at UT) or 2.5 (or below at SBE) are eligible.

Please note that students of the double degree program will be enrolled for at least one year at each of the partner institutions. The respective tuition fees (UT) and service fees (WWU) apply. For the time students are at the other partner institutions, students can apply for these costs to be waived.