

UNIVERSITEIT TWENTE.



Master Business Information Technology

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Programme Director





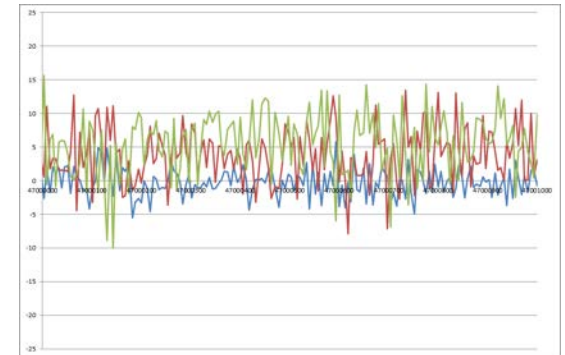
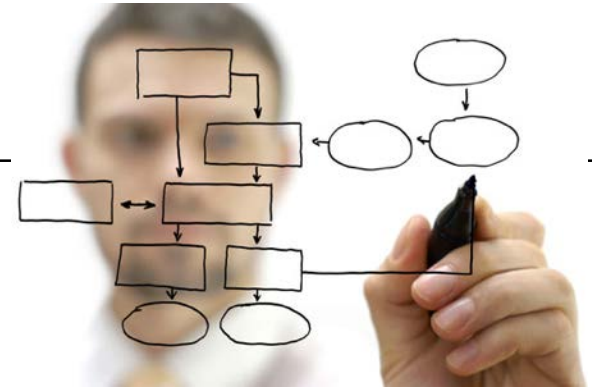
Welcome to the Master Business Information Technology!



Vision

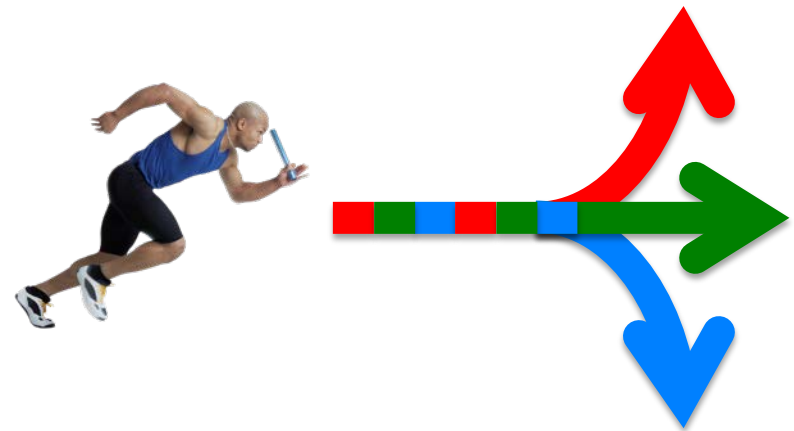
- **Business requirements** are getting increasingly **demanding** and **change** constantly
- A large amount of **data** is coming from **sensors** and an increasing amount of **components** offer **business services**
- Increasing amount of **related and complex business processes**
- Integration of **different disciplines**

And don't forget the people involved!



Master Business & Information Technology

- 2-year programme
- International (in English)
- Current population: 55 students (8 international students)
- Supported by **research groups** in the areas of **Business Administration** and **Computer Science**
- Programme consists of a set of **core courses** followed by **three alternative specialisations**





BIT Master specialisations

Based on the roles a BIT professional may play

- **Enterprise Architecture**
alignment of **strategy**, **business processes** and **IT architecture**
(**enterprise architect**)
- **IT Management and Innovation**
IT **strategies** to support **business processes** and **services** (**IT manager**)
- **Business Analytics**
application of **business intelligence** and **data analysis**
to support business decisions (**business analyst**, or
even (**big**) **data scientist**)



Programme in short

	Course code	Course name
Core	192350200	E-Strategizing
	192376500	Business Process Integration Lab
	201400277	Enterprise Architecture
	192320820	Design Science Methodology
	192340070	Computer Support Cooperative Work
	192376000	Business Case Development for IT-Projects
	Enterprise Architecture	191863960
201100051		Information Services
192330301		Specification of Information Systems
192320111		Architecture of Information Systems
IT Management	192320501	E-commerce
	192360021	ICT Management
	192340101	Implementation of IT in Organisations
	192340041	Software Management
Business Analytics	191820210	Simulation
	201200044	Managing Big Data
	191800770	Empirical Research & Data Analysis
	201400174	Data Science

Plus electives,
Research and
Master project

Total of 120 EC



Database group

Research

Cornerstones of the programme

- **Industrial Engineering and Business Information Systems (IEBIS)** group of the Faculty of Behavioural, Management and Social sciences (BMS)
- **Services, Cybersecurity and Safety (SCS)** group and **Databases (DB)** group of the Faculty of Electrical Engineering, Mathematics and Computer Science (EEMCS)
- These groups are active in research in the BIT-related areas applied to (amongst others) transportation, supply chain, logistics, healthcare and lifestyle and disaster management
- The groups have also strong collaboration with the industry

Requested attitude

- You are expected to be **creative, curious** and to **think out-of-the-box**
- You are expected to **read and search a lot**
- Master activities (course and projects) have been **designed** to teach you how to do **Research**
- Teaching process leans strongly on projects
- In your Master project you are expected to strive for **novel contributions** to theory and practice



IGI Global's Fourth Annual Excellence in Research Journal Awards

BIT Master
student

IGI Global is proud to present the 2010 Best Article Award to
Luís Ferreira Pires (University of Twente, The Netherlands)
Arjen van Oostrum (University of Twente, The Netherlands)
Fons Wijnhoven (University of Twente, The Netherlands
and Wilhelms University of Muenster, Germany)

for the peer-reviewed paper

"Service Registry Design: An Information Service Approach"

appearing in the

*International Journal of Information
Systems in the Service Sector, 2(4)*





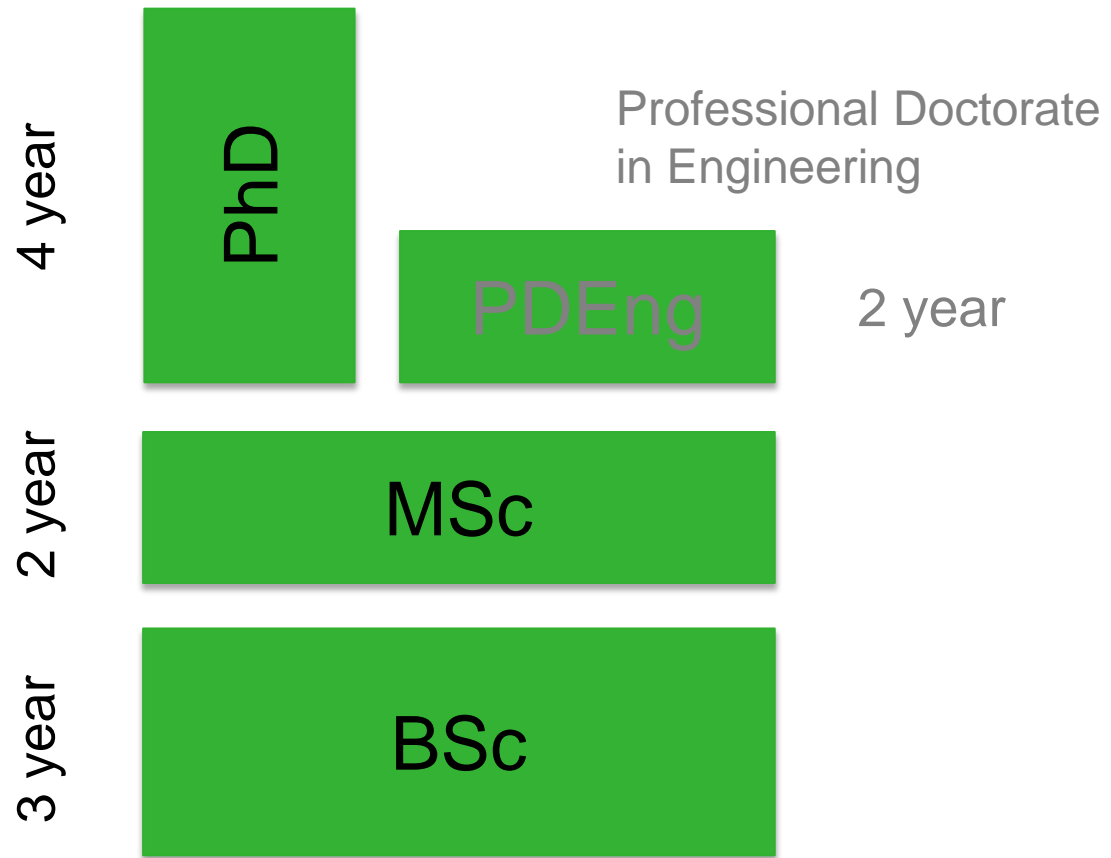
Some of the latest Master projects

- Blommendaal, C. (2015) Information Security Risks for Car Manufacturers based on the in-Vehicle Network
- Bogaard, J.A. van den (2015) Predicting the performance of ERP in a changing and challenging energy market
- Brinkhuis, M.E. (2015) Improving the Medicaid eligibility determination process using big data
- Dietz, W.S. (2015) A Reference Model Method to align the development of one software system with multiple Hinterland Container Terminals
- Egberink, J.G.H. (2015) The influence of trust on inter-organizational information sharing in logistic outsourcing relationships
- Hensema, M.A. (2015) Applying Agile in Enterprise Architecture.





For after your Master study





Twente Graduate School (TGS)

- Outstanding research environment ‘High tech - Human touch’
- High quality **structured supervision** and **personal development**
- Integrated Master’s and PhD programmes: make a head start!
- **Tailor-made education** in the PhD phase
 - Advanced courses in the field of expertise
 - Academic and career development skills
- For more information see: <http://www.utwente.nl/tgs>

TGS programme related to Business Information Technology

- Services Science (CTIT)

Jobs after the study

Typical positions

- Information specialist
- Information systems designer
- Consultant

With some more experience

- Information strategist
- ICT-manager
- Project leader in automation projects
- CIO

Research and Academia

- PhD position, lecturer



Researcher

Designer

Entrepreneur

Average of **0 months**
waiting time for find a
job after the study!

Application and admission

BIT and CSc (TI) students

- Direct access to the BIT Masters programme

TBK students

- Homologation consisting of the Software Management (course), which is mandatory in the IT Management and Innovation specialisation

Other studies

To be discussed with the Programme coordinator

Final words

- Participation, dedication, enthusiasm
- Take the most out of this opportunity to study!
- Not only follow the courses, but **develop yourself**
- Be **pro-active**, look for **challenges**

- **Constructive critical attitude**
→ Keep our teachers sharp!



See you!



We hope to welcome you soon
at the Master Business
Information Technology!