Welcome to the Master Business Information Technology!

Purpose of today

Give an overview of the BIT Master programme

- Master programme
- Specialisations
- Master projects (Research)
- After the study

Position of the programme

BIT Master

BIT Bachelor (or similar)  Premaster  Premaster

Business & IT: Why?

- Business and IT people are from different cultures, with different vocabularies, concerns, etc., creating a business-IT gap
- People are needed with know-how of Business and IT, who are therefore properly qualified to bridge the gap

→ The BIT professionals!
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 offers 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: 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

<table>
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<tr>
<th>Core</th>
<th>Course code</th>
<th>Course name</th>
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<tbody>
<tr>
<td>Enterprise Architecture</td>
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<td>Business Process Integration Lab</td>
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<td>Design Science Methodology</td>
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<td>Business Code Development for IT Projects</td>
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<td>Foundation of IT</td>
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<td>158407001</td>
<td>Empirical Research &amp; Data Analysis</td>
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<td></td>
<td>158402001</td>
<td>Data Science</td>
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Total of 120 E.C.
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.

Some Master projects

- Jeffrey van den Brande (2013) The value of ontologies for developing semantic standards.
- Allard Brand (2013) Improving interoperability between electric mobility and the electricity system - Towards a reference architecture for charging electric vehicles.

Twente Graduate School (TGS)

- Outstanding research environment ‘High tech – Human touch’
- High quality supervised 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)

For after your Master study

- 4 year: PhD
- 3 year: MSc
- 2 year: BSc
- Professional Doctorate in Engineering

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

Average of 0 months waiting time for find a job after the study!
Application and admission

**UT student**
- Contact the Education programme coordinator for questions
- Register and apply through the UT Master site [http://www.utwente.nl/master](http://www.utwente.nl/master)
- Check the page [http://www.utwente.nl/en/education/master/admission-requirements/application-deadlines](http://www.utwente.nl/en/education/master/admission-requirements/application-deadlines) for the deadlines that apply to you

**Non-UT student**
- Register and apply through the UT Master site [http://www.utwente.nl/master](http://www.utwente.nl/master)
- Check the page [http://www.utwente.nl/en/education/master/admission-requirements/application-deadlines](http://www.utwente.nl/en/education/master/admission-requirements/application-deadlines) for the deadlines that apply to you

Premaster programmes

**HBO-bachelors Computer Science**
- Study load: 30 EC

**Contents**
- Business Administration: Organization Theory and Design, Strategy & Marketing, Accounting & Finance

Premaster programmes

**Academic bachelors**
- Students with Computer Science background (15 EC)
  - Module “Finance for Engineers” (September)
  - Module “From Product Design to Online Business” (February)
- Students with Business Administration background (30 EC)
  - Modules “Intro BIT” and “Software Systems” (September)
  - Module “Data & Information” + programming course (February)

* May vary depending on the background of the student

More information?

**BIT Master student for a day (‘meeloopdagen’)**
- English site [http://www.utwente.nl/en/education/master/contact/student-for-a-day](http://www.utwente.nl/en/education/master/contact/student-for-a-day)
- Dutch site [http://www.utwente.nl/onderwijs/master/contact/meeloopdagen](http://www.utwente.nl/onderwijs/master/contact/meeloopdagen)

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!