



University of Antwerp
| Faculty of Business
and Economics

DD Digital Business Engineering (DBE)

Academic year 2024-2025

On the Master DBE...

Program Directors Digital Business Engineering



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Welcome



- **Ma DBE:**
- **80 students over 2 master years**
- **About 15 int'l students, incl.**
 - 3 outgoing DD students
 - 6 incoming DD students

The Ma DBE Curriculum (120 ECTS)

Digital Business Fundamentals (21 ECTS)	Electives (9 -12 ECTS)	30 ECTS
Digital Engineering Fundamentals (21 ECTS)	Electives (6- 9 ECTS)	30 ECTS
Major		18 ECTS
Electives		12 ECTS
Master thesis portfolio		30 ECTS

For more detail: please see: <https://www.uantwerpen.be/en/study/programmes/all-programmes/digital-business-engineering/about-the-programme>

On the Master DBE...



AACSB
ACCREDITED



- Officially known as:
 - Business Engineering in Management Information Systems
- Double Degree in DBE is 1st multi-disciplinary Double Degree FBE
- Resulting in a multi-disciplinary group of students, mainly in sem 3

DD Curriculum - UA courses per semester

Sem 1

- **Data Mining AKA Machine Learning for Business - David Martens**
- (Master Thesis) Engineering and Design Science Methodologies - Herwig Mannaert

Sem 2

- **Digital Risk and Security - Dirk Steuperaert**
- Software Engineering and Architecture **OR** MI-NSS@CTU -Herwig Mannaert
- (Master Thesis) Empirical Research in MIS - Steven De Haes

Sem 3 (Physically in Antwerp)

- Strategic Management - Peter Verhezen
- Digital Strategy And Governance - Steven De Haes
- Digital Innovation - Herwig Mannaert / Jan Verelst
- Data Science and Ethics (David Martens) **OR** Ethical and Sustainable Business (Hans Verboven)
- Digital Business Fundamentals Electives (9 ECTS) - UA DBE has 30 ECTS, CTU DBE has 21ECTS => 9 ECTS
- Integration Project DBE - Jan Verelst/Dieter Van Nuffel

Sem 4

- UA Master Thesis
- No Final State Exam at UA !

Prof. David Martens

Prof. Dirk Steuperaert

Fien Nyssen



Classes

- Classes are organized **on campus.**
- Please check your study schedule and the rooms on SISA
- Lectures, guest lectures, practical exercises, etc.
- Combining work and study is **not** trivial !



Exams and grading

- 3 exam sessions:
 - January
 - June
 - August – September (resit exam)
- Written exams, oral exams and computer exams
- Assignments and permanent evaluation
- All exams take place **on campus**, no online exams (stay in Antwerp from begin to end of each exam session)

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Master Thesis

- **Individual or duo thesis**
- **Proof of research competences**
- **Suitable for both UA and CTU, with promotor and defenses at both institutions**
- **Apply research methodology studied in the 2 methodology courses**
 - Engineering and Design Science Methodologies
 - Empirical Research in MIS
- **Can contain practical work, including case studies, ...**
- **List of topics proposed by promotor will be available in sem 2, but proposing your own title/domain is encouraged**
 - Start exploring topics now, especially in the context of the 2 methodology courses!

Integration Project (sem 3@UA)



Academic calendar



- Be **physically present** during entire semester + exams (start Christmas travelling only after end of semester – December 20 – and be back in time for exams)
- More information on holidays, etc. in **academic calendar**:
<https://www.uantwerpen.be/en/life-in-antwerp/academic-calendar/>

DD Curriculum - UA courses per semester

- **Let's get started !**

- **Sem 1**

- **Data Mining AKA Machine Learning for Business - David Martens**
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Q&A