

INSPIRATION SHEET DATA SCIENCE

PROFESSIONAL FIELD

CHOICES

EXTRACURRICULAR



OPPORTUNITIES AFTER THE MASTER

WHERE OUR ALUMNI WORK

- Police
- Health care organizations
- Data science start-ups
- Start your own data science business
- ASML
- Essent
- Rabobank
- ABN Amro
- Main Capital Partners
- Van der Lande
- Máxima Medisch Centrum
- CZ
- Philips
- Belastingdienst
- Coolblue
- Deloitte
- KPMG
- Gartner
- Itility
- SAP
- IBM
- Oracle
- Fluxicon
- Synerscope
- Magnaview
- Bright Cape
- Inln



POTENTIAL STARTER POSITIONS

- Data scientist
- Data analyst
- Data modeler
- Advisor
- Consultant
- Data engineer
- Business analyst
- Research analyst
- Entrepreneur
- Application developer



IMPORTANT COMPETENCES

- Passion for data as the main driver for innovation in present time
- Entrepreneurial mindset to create value from data
- Good with math
- Analytical thinking
- Understanding the needs of (different) stakeholders
- Communicating (orally and in writing) with both technical and non-technical stakeholders
- Critical reflection on legal, social and ethical issues
- Team-player (working in interdisciplinary and international groups)
- Having the discipline to work individually as well, with good project and time management (stress resistance)



T-SHAPED PROFESSIONAL

Data Science is an interdisciplinary field. The program has a broad scope that is based on domain-specific knowledge (e.g. Cognitive Science, AI, Business), and at the same time in-depth knowledge on the technical parts (e.g. Computer Science, Programming). During the program you combine the technical knowledge with the domain-specific knowledge, in a professional and responsible way, in order to become a 360 degree data scientist who is able to solve actual and well-defined (business) problems. This means that you will be able to reflect on legal, social and ethical issues and you understand the needs of (different) stakeholders. In the challenge-based learning courses, you will work in groups with real data to solve real problems of real stakeholders. You will also develop your personal skills and professional skills, including writing, presenting, cooperating, reflecting, and project & time management.

[CLICK HERE FOR MORE INFORMATION!](#)



ALUMNI PROFILES

[José Arts](#) – Adviseur en Data Scientist bij inin

[Daan Dinkla](#) – Research Analyst at Main Capital Partners



ALUMNI MENTOR PROGRAM

If you are (an international) student or have graduated less than a year ago, then Student Career Services can put you in touch with interesting alumni. During this contact you can learn more about the alumni's career. Which choices are important? What does an employer expect from a young professional? In short, ask all your questions so you can get a better idea of your possibilities on the labour market.

[CLICK HERE FOR MORE INFORMATION!](#)



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WITHIN YOUR STUDIES



BACHELOR YEAR 2 AND 3 - ELECTIVE PART OF 45 ECTS

Minors:

- Minor Business Analytics and Operations Research
- Minor Business and Entrepreneurship for Data Science
- Minor Cognitive Science and Artificial Intelligence
- Minor Marketing Analytics

Eindhoven University of Technology offers the following coherent packages in the computer science field, 15 credits each:

- Computer Science for Data Science
- Advanced Data Science
- Finance and Risk
- Technology Entrepreneurship



BACHELOR YEAR 3

Exchange



MASTER YEAR 4

Direct Access

- Master Data Science in Business and Entrepreneurship (offered by Tilburg University and Eindhoven University of Technology)

Other Masters (depending on the electives you choose)

- Master Business Analytics and Operations Research (Tilburg University)
- Master Cognitive Science and Artificial Intelligence (Tilburg University)
- Master Marketing Analytics (Tilburg University)
- Master Data Science in Engineering (Eindhoven University of Technology)
- Master Data Science and Artificial Intelligence (Eindhoven University of Technology)
- Master Industrial and Applied Mathematics (Eindhoven University of Technology)
- Master Computer Science and Engineering (Eindhoven University of Technology)



WWW.TILBURGUNIVERSITY.EDU / STUDENTCAREERSERVICES

TILBURG UNIVERSITY  Student Career Services

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ACTIVITIES BESIDES YOUR STUDY



BOARD POSITIONS

[Study associations](#)
• [D.S.A Pattern](#)
[Student associations](#)
[Sports associations](#)



VOLUNTEERING

[Projects at Enactus](#)
[Sustainability Factory](#)
[AIESEC](#)
[Amnesty International](#)
[Serve the City](#)
[Rode Kruis](#)
[UNICEF](#)
[180Degrees](#)
[Ailola Buenos Aires](#)
[Volunteers](#)



STUDENT PARTICIPATION

[University councils](#)
• [Student parties SAM or Front](#)
• [Student parties Groep-één or DAS](#) at TU Eindhoven
[Schools](#)
• [School Councils - Law School Council](#)
• [Program Committees](#)
[Participation in the University Divisions](#)
• [SALIS](#)
[National Participation](#)
• [Interstedelijk StudentenOverleg \(ISO\)](#)
• [Landelijke StudentenVakbond \(LSvB\)](#) - only in Dutch
• [Nationale Studenten Enquête \(NSE\)](#)
[Tilburg City Council](#)
• [Studentenraad Tilburg](#) - only in Dutch



SIDE JOBS

[StudentCrew](#)
[Unipartners](#)
[Studentenvacature.nl](#)
[ISW](#)
[Bijbanen.nl](#)
[StudentJob](#)
[CareerJet](#)
[Integrand](#)



SUMMER SCHOOLS

[Netherlands-Asia Honours Summer school \(NAHSS\)](#)
[Tilburg University Summer School \(TUSS\)](#)



OTHERS

[Public Speaking Program](#)
[United Netherlands Delegation Program](#)
[Model United Nations Tilburg](#)
[Studium Generale Certificate](#)



INTERNSHIPS

[TiU Career Portal](#)
[Globalplacement](#)
[AIESEC](#)
[iAgora](#)
[Unipartners](#)
[Ailola Buenos Aires](#)
[Academic Transfer](#)
[Enactus](#)
[Intern abroad](#)
[Sustainability Factory](#)
[180Degrees](#)
[Amnesty International](#)
[Integrand](#)
[Serve the City](#)
[Magnet.me](#)
[Joho](#)
[UNICEF](#)
[Volunteers](#)
[Rode Kruis](#)



LANGUAGE COURSES

As a student at Tilburg University, you can take free language courses. You will receive 12 digital language vouchers at the start of your studies. You can use them for a course in English, Italian, Chinese and many other languages!

[CLICK HERE FOR MORE INFORMATION!](#)



TALENT PROGRAMS

[Outreaching Honors Program](#)
[Honors Program The Societal Challenge of Migration](#)



WORKSHOPS & COURSES

[Personal development](#)
• [Positive Perfectionism](#)
• [Stress Management](#)
[Study choice](#)
• [Reorientation on Study Program](#)
• [Orientation on Master's Choice](#)
[Study skills](#)
• [Thesis workshop 'Back on Track'](#)
• [Thesis Together](#)
[Student wellbeing](#)
• [Relaxation sports](#)
• [Mindfulness](#)
[Preparation for the Labor Market](#)
• [Master your Assessment](#)
• [Personal effectiveness](#)
• [Boost your resilience: From study to work](#)
• [Masterclass Chat GPT](#)
[Skills for the board of study and student associations](#)
• [Customized Workshops](#)
• [Skills program](#)

