

Overview JADS data science programs

Undergraduate level

Joint Bachelor Data Science

The Bachelor Data Science is a joint degree by Tilburg University and Eindhoven University of Technology at undergraduate level. This BSc is your stepping stone to turning Big Data into value-added solutions for technology, industry, government and society.

Graduate level

All JADS Master's programs data science

JADS is unique with an offering of 5 dedicated Data Science Master's programs of which one - Data Science and Entrepreneurship - is a joint degree by Tilburg University and Eindhoven University of Technology. Each MSc program focuses on a different data science application or area of expertise.

Master Data Science and Entrepreneurship (joint degree)

2 year Master's program at the Mariënborg campus in 's-Hertogenbosch

Master's track in Data Science in Engineering

2 year special Master's program at Eindhoven University of Technology

Master's Track Data Science Business and Governance

1 year Master's track at Tilburg University

Master's Track Business Analytics and Operations Research

1 year Master's track at Tilburg University

Master's Track Marketing Analytics

1 year Master's track at Tilburg University

Post Graduate programs

PDEng Program Data Science

The Professional Doctorate in Engineering (PDEng) Program Data Science is a 2-year post-master program that focuses on applied techniques and design in a professional context. Students work in close collaboration with the industry on large-scale, interdisciplinary projects.

PhD Data Science Programs

Once you have your Master's degree, you can decide to do a PhD. This means getting involved in cutting-edge research at any of the three campuses: TU/e, Tilburg University or JADS, depending on the focus of your research.

Joint Master's program Data Science & Entrepreneurship Courses Overview

Data Mining	Business Analytics	Data Driven Business Process Management	Law, Ethics and Entrepreneurship
IP & Privacy	Creative Thinking & Innovative Design	Elective 1	Elective 2
Data Engineering	Innovation Services		
Strategy & Business Models	Deep Learning		
	Entrepreneurial Marketing*		
	Entrepreneurial Finance*	Master Thesis	
DEiA - 1	DEiA - 2	DEiA - 3	
Skills Journey			

■ Data Engineering ■ Data Mining ■ Data Decision Making ■ Data Entrepreneurship ■ Data in Society
 Elective * Students have to choose at least one out of two

About JADS

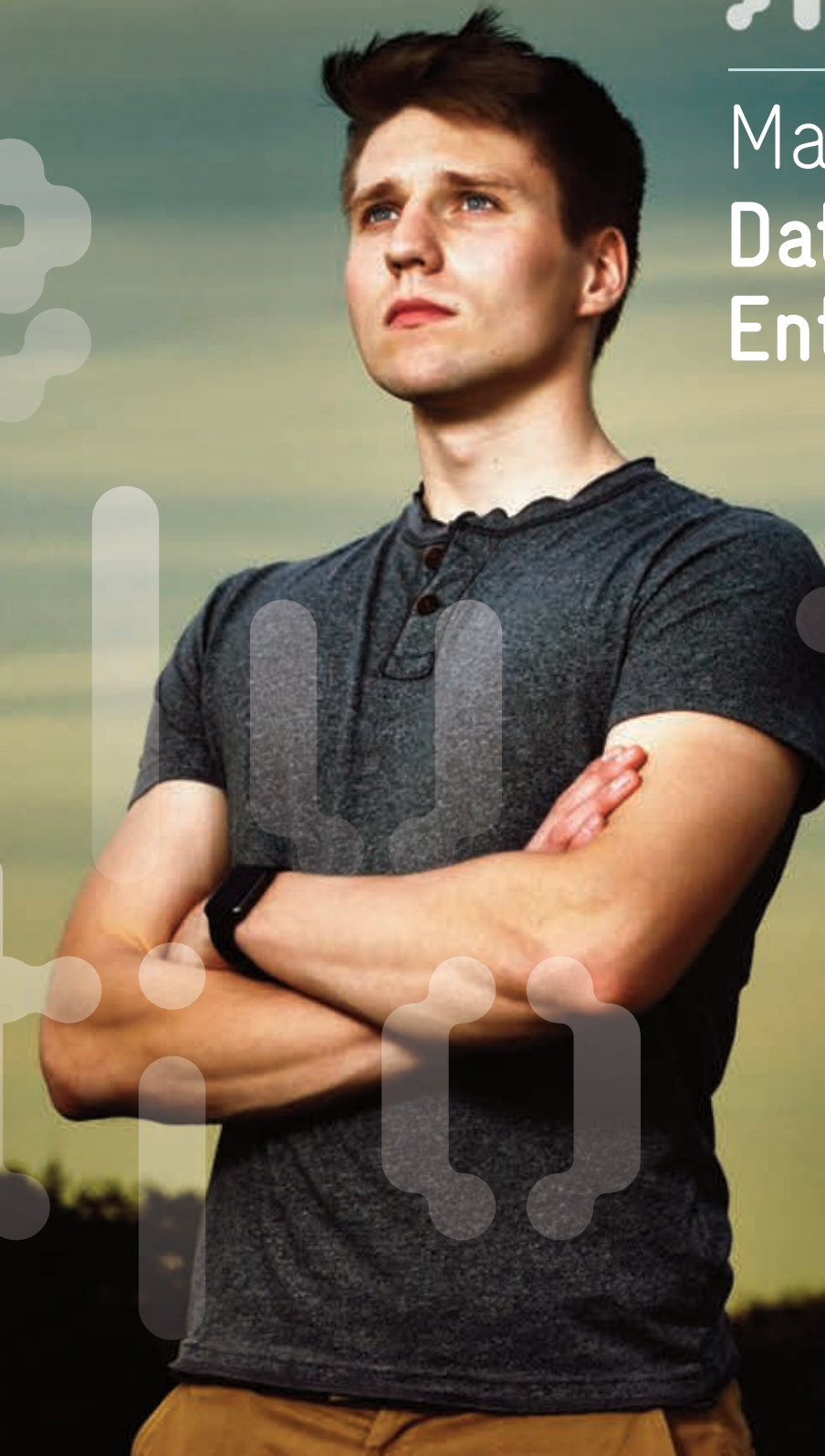
Data Science is becoming increasingly essential to finding answers to the challenges of our era. Jheronimus Academy of Data Science is a unique concept in the Netherlands. At three different locations Data Science can be studied, researched and applied through bachelor and graduate programs, PDEng education, Data Science Centers and incorporated into existing ecosystems. This unique cooperation between the Province of North Brabant, the Municipality of 's-Hertogenbosch, Tilburg University and Eindhoven University of Technology creates a new knowledge infrastructure which puts Brabant at the heart of the future.

More information? Visit www.JADS.nl



Master's program Data Science & Entrepreneurship

Learn to exploit the data revolution...



The founders of JADS

JADS is powered by



Provincie Noord-Brabant



Joint Master's program Data Science & Entrepreneurship

The new two-year MSc Data Science and Entrepreneurship is a truly interdisciplinary business-technology-analytics program. It is ideal for students eager to bring data science into effective use in business. This program is executed in the vibrant Mariënborg data science campus in the city of 's-Hertogenbosch.

Type
Master's program
(joint degree)

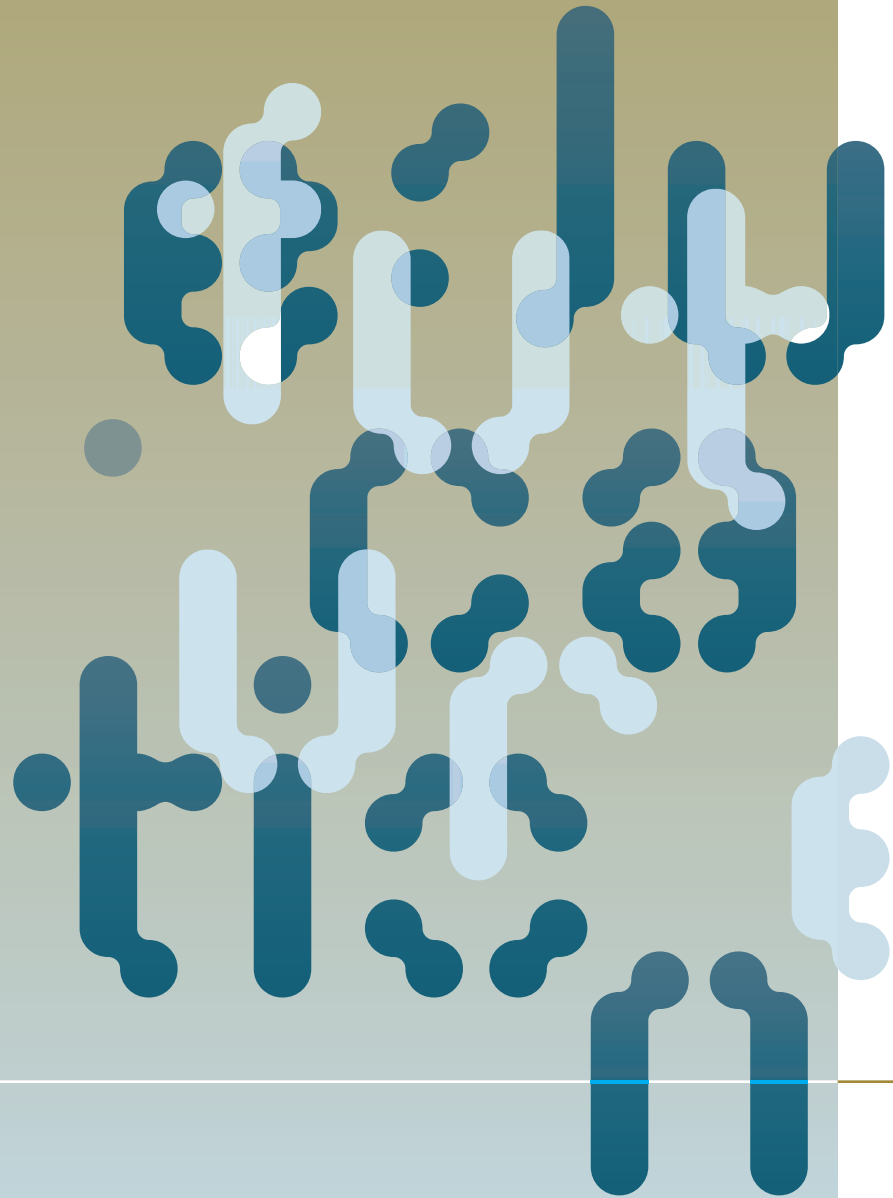
Duration
2 years

Title
Master of Science

ECTS Points
120

Language
English

Language
English



Study program

The MSc program synthesizes the unique key strengths of Eindhoven University of Technology and Tilburg University: the technological know-how of Eindhoven combined with the business, legal and societal insights of Tilburg. This synergy ensures that we educate data science-driven entrepreneurs who have the capability to create, develop and market data technologies, conduct research and present results in a clear, non-technical manner.

The backbone of the program comprises a number of Data Entrepreneurship in Action courses. Working in a team, you learn to apply data-driven methods to test the feasibility of an idea or innovation, build a data-intensive solution, propose sales channels and customers and develop entrepreneurial skills for building a technology startup.

A master's program for you?

Data Science Entrepreneurs are able to analyse massive amounts of data, recognise patterns in it and convert this to new products or services which are useful for business.



Why choose this master's program?

The Master's Program Data Science and Entrepreneurship is the first multi-disciplinary data science program in the Netherlands. Newly developed by two leading universities, it places technology within a business and societal context.

- **A unique combination of business and IT** / Preparing you for a career at the interface of data science and entrepreneurship.
- **A unique educational experience** / Challenging students with real-world data entrepreneur challenges in tandem with industry.
- **In close collaboration with the JADS ecosystem** / Companies will be actively involved in teaching, assignment supervision, and initiating innovations, startups and accelerators.
- **Develop your entrepreneurial skills** / A skills journey and individual coaching and mentoring program prepares you for your future entrepreneurship endeavours.
- **Electives allow you to specialize** / In your own area of interest, you specialize either more in IT and Data science or Entrepreneurship and Business.

"To teach the complexities of data entrepreneurship, our program combines evidence-based learning with experience-based learning. To this end, we have developed practical big data applications and prototypes. We also offer students an elaborate mentoring program and the real-life experience of starting their own data venture."

Willem-Jan van den Heuvel,
JADS Director of Studies

→ **Brand new data science campus** / The program is offered at an exclusive data science campus, with state-of-the-art facilities, offering small-scale education and direct access to top-scientists and professionals in the field of data entrepreneurship.

→ **A vibrant entrepreneurial environment** / Our data science campus offers substantial support in terms of providing offices, state-of-the-art ICT facilities, advise, and help in acquiring subsidies, funds and equity for starting your own start-up.

→ **Great career prospects** / The knowledge and skills that you will have as data entrepreneur are in exceptionally high demand. After graduating you will already have six months of relevant work-related experience due to the close cooperation with business.

→ **Combining theory and practice** / The backbone of the program comprises a number of Data Entrepreneurship in Action courses, which will help you learn how to apply data driven methods.



Career opportunities

The career opportunities for data scientists are sheer endless. Within an organization, you are the one who translates questions into technical data insights and vice versa. You can work for multinationals or manage your own data science company: finding new markets and opportunities with data. Or you can work as a data consultant or analyst: from advising companies who want to know more about the purchasing behavior of their customers, to using big data to support police crime detection work or helping healthcare institutes share global data to fight diseases like Malaria.



A new campus in 's-Hertogenbosch dedicated to data science

The location in Mariënborg combines the history of the convent with an exciting vision for data science. In addition to extensive facilities for educational purposes, the building also offers student accommodation and features a dedicated space for startups.

Being part of the JADS community

As a student you are part of a vibrant community. On campus you're surrounded by data science professionals: MSc, PDEng and PhD students, teachers, guest lecturers, researchers, start-ups and more than 300 companies that we work with and who are part of our community. They offer us real data sets, company visits, internships, jobs and masterclasses.

Understanding how to realize value through technology