EIT Digital
Master’s Program in Data Science

Degree
- Master of Science (MSc) degree from two universities;
- Dutch: Ingenieur (ir);
- EIT Digital certificate.

Language
English.

Special features:
- 1st and 2nd year of the program at different universities in different countries;
- MSc degree from two universities + EIT Digital certificate;
- Standardized education on innovation and entrepreneurship integrated with high-quality technical program;
- EIT-funded international events (a kick-off event, a summer school);
- Unique scholarship opportunities.
Program structure (123 ECTS)
1st year (at TU/e, UPM Madrid, POLIMI Milan, UNS Nice)
• technical common base courses: 25 ECTS;
• innovation & entrepreneurship courses: 20 ECTS;
• electives: 15 ECTS.

Summer and winter school: 5 ECTS in total.

2nd year (TU/e Eindhoven, KTH Stockholm, TU Berlin, UNS Nice, UPM Madrid)
• specialization courses: 15-25 ECTS
• electives: 0-10 ECTS
• innovation and entrepreneurship thesis: 6 ECTS
• MSc thesis: 30 ECTS

Technical common base at TU/e:
• Introduction to process mining: 5 ECTS
• Web information retrieval and data mining: 5 ECTS
• Advanced Algorithms: 5 ECTS
• Visualization: 5 ECTS
• Applied Statistics: 5 ECT S

2nd year specializations:
• Business Process Intelligence at Eindhoven University of Technology (TU/e)
• Distributed Systems and Data Mining for Really Big Data at Royal Institute of Technology, Stockholm (KTH)
• Design, Implementation, and Usage of Data Science Instruments for Data Scientists at Technische Universität Berlin (TUB)
• Multimedia and Web Science for big data at Université Nice Sophia Antipolis (UNS)
• Infrastructures for Large scale Data Management and Analysis at Universidad Politecnica de Madrid (UPM)

Innovation and entrepreneurship module (25 ECTS)
• Entrepreneurship and corporate social responsibility: 5 ECTS
• Technology entrepreneurship: 5 ECTS
• CTEM project: 10 ECTS
• Winter school: 1 ECTS
• Summer school: 4 ECTS

Graduation project
The graduation project consists of an internship in a (preferably EIT Digital partner) company with a technical assignment leading to a MSc thesis and a business assignment leading to an innovation and entrepreneurship thesis.

Admission requirements
• BSc in Computer Science, Mathematics, Electrical Engineering or related discipline.
• English proficiency: at TU/e (may differ at different universities).
  • either IELTS 6.5 (no section lower than 6),
  • or TOEFL Internet based 90 (writing section 22),
  • or University of Cambridge Certificate of Proficiency in English (CPE) grade A/B/C.
• Admission is via the application portal of the EIT Digital Master school.
  (www.masterschool.eitdigital.eu/application/admission-requirements).

English proficiency tests are waived for applicants who:
• have completed a higher education degree instructed in English at a university in an EU/EEA country or a university of applied sciences in an EU/EEA country.
  The official language of the degree programme has to be stated in the degree certificate or its supplement, or in the transcript of records. Statements are not accepted. Other documentation regarding language of instruction will not be accepted.
• have completed a degree instructed in English at a university that is physically located in one of the following countries: USA, Canada, UK, Ireland, Australia or New Zealand.

Scholarships and tuition fees
For all EU/EEA and Swiss citizens EIT Digital waives tuition fees. Excellent students can be awarded a 500-1000€ monthly allowance.

For non-EU/EEA students, tuition fees are 8000€ per year. Excellent non-EU candidates can be awarded a ½ tuition fee waiver and a monthly allowance ranging from 500-1000€.

EIT Digital covers the costs of all students related to international events integrated into the curriculum, e.g., summer school.

A limited number of travel and installation grants of up to 3000€ will be also provided to excellent students.

More information
You can find more information on the websites
https://www.tue.nl/masterprograms/eitdatascience or http://www.masterschool.eitdigital.eu/programmes/dsc