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CAMPUS

# DATA ANALYTICS AND DECISION SCIENCE (DADS)

## PHD PROGRAMS

### Programme

The PhD program in Data Analytics and Decision Sciences (DADS) aims at training highly qualified senior data scientists and data managers capable of carrying out research at universities, international institutions, tech and financial companies, regulatory authorities, and other public bodies.

The program stems from the cooperation between three departments - Dipartimento di Elettronica, Informazione e Bioingegneria (DEIB), Dipartimento di Ingegneria Gestionale (DIG), Dipartimento di Matematica (MATE) - and the Health Data Science Center at Human Technopole. It gives the enrolled students the opportunity to work in a highly interdisciplinary environment with strong connections to international research centers and private companies. The program provides successful candidates with the opportunity to acquire a high degree of professional expertise in specific scientific and technological fields.

The program lasts three years: upon its successful completion and final exam, candidates will be awarded the title of PhD in Data Analytics and Decision Sciences. The first year is devoted to the courses that build the broad competence and the strong interdisciplinary set of skills required by data analytics. The next two years focus on the development of the Doctoral thesis. Students are required to spend at least one semester in a research institution abroad, taking advantage of the network of international collaborations of the three departments involved in the program.

### Mission and goals

The program aims at breeding the next generation of data scientists who will tackle the challenges and the opportunities created by the increasing availability of massive amount of data. These data scientists will be able to

capture the relevant aspects of phenomena at play, develop adequate models, supervise the development of analytic pipelines, critically analyze the results, and support the technological transfer.

### **Career Opportunities**

Data Analytics and Decision Sciences graduates are equipped with distinctive skills and advanced knowledge that open up career opportunities at universities, international research centers and institutions, R&D departments, regulatory authorities, financial institutions, tech companies, and other public bodies.

### **Eligible students**

Prospective students must hold an Italian Master of Science or an equivalent academic qualification obtained abroad, comparable in duration and content to the Italian qualification, and approved in advance by the competent academic authorities.

### **Scholarships**

Each year full scholarships are available both for elective (self-selected) research topics and for oriented research topics. Financial support for oriented topics is provided by private companies and research institutions like the Center for Analysis, Decisions and Society (CADS) at Human Technopole. Limited support is also available for research periods abroad and to attend conferences.

### **Contacts**

For further information, please visit <https://phd-dads.polimi.it/> or contact either the School of Doctoral Programmes at [phdschool@polimi.it](mailto:phdschool@polimi.it) or the PhD secretary at [phd-dads@polimi.it](mailto:phd-dads@polimi.it)

