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Università degli Studi di Trieste
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The **Master degree in Data Science and Scientific Computing (DSSC)** aims to train **professionals of the future**, highly-requested experts in the frame of **digital society** and **industry 4.0**.

The Master degree in Data Science and Scientific Computing (DSSC) is an **international course** and it is taught in **English**.

The Master degree is offered by the Universities of Trieste and Udine, with the collaboration of SISSA (International School for Advanced Studies), ICTP (Abdus Salam International Centre for Theoretical Physics), and of many other research institutions and companies of the area.

DSSC

DATA SCIENCE SCIENTIFIC COMPUTING

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Data Science & Scientific Computing

Students will acquire theoretical knowledge along with practical and communication skills, through **traditional classes, individual exercises, group projects, seminars, and internships.**

Local companies and supporting institutions are involved in the financing of **fellowships.**

Graduates could enter directly the **business world** or continue their studies with a **PhD.**

Data Science

Students will be trained to become professionals in the fields of **data management** and **data analysis**, with a focus on **big data.**

The core courses are on machine learning, statistical methods, and data management.

A further specialization can be taken in one of several application areas, like **healthcare, life sciences** and **social sciences.**

TWO CURRICULA:



All students will receive a training in **programming, HPC**, foundations of **data analytics**, and **modelling.**

Computational Science and Engineering

The course will train future experts on **computational modelling, optimization, scientific programming**, and **simulation**, with emphasis in various application areas such as **computational fluid dynamics, computational physics** and **computational chemistry.**

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