# Today's Program

Intro to the DAS in Data Science Programme at ETH Zurich

with

- Information about DAS Course Program, Study Plan, Capstone Project, Grading System

- Question and Answer Session

# Programme Heads of the DAS in Data Science Programme

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# Course Programme and Study Plan DAS in Data Science

- DAS Courses are regular offers from ETH Master's programs and will be held throughout the regular semesters on the campus

- It consists of the
  - Foundation Course (choose 1)
  - Specialization Track (choose 1)
  - Capstone Project of your choice

  → add up to **35 to 45 ECTS** (max.) over 2-4 semesters

**Course Programme DAS in Data Science**

The DAS in Data Science consists in total of 35 to 45 ECTS.

More precisely, one must take one foundations course from a set of three (6 to 8 ECTS), at least 12 ECTS coming from a specialization track, and a capstone project (8 ECTS). The remaining credits can be freely chosen from the catalogue of the programme.

**Foundations courses (choose one) – must be taken in the first semester**

| Course # | Course | ECTS | Semester |
|---|---|---|---|
| 252-0220-00 | Introduction to Machine Learning | 8 | Spring |
| 401-3632-00 | Computational Statistics | 8 | Spring |
| 227-0105-00 | Introduction to Estimation and Machine Learning | 6 | Autumn |

**Specialization tracks (choose one track only)**

| Track: Hardware for ML | | | |
|---|---|---|---|
| 227-0150-00 | Systems-on-chip for Data Analytics and Machine Learning | 6 | Spring |
| 227-0155-00 | Machine Learning on Microcontrollers | 6 | Autumn/ Spring |

- Link to the DAS in Data Science course list

# Study Plan

**Binding list** of courses for the full DAS program (35 - 45 ECTS)
(the course program is available [here](#))

Foundation Course (6 – 8 ECTS)

| Course # | Course | ECTS | Semester | Year |
|----------|--------|------|----------|------|
| Wählen Sie ein Element aus. | | | | |

Courses Specialization Track (at least 12 ECTS)

| Course # | Course | ECTS | Semester | Year |
|----------|--------|------|----------|------|
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

Capstone Project (8 ECTS)

| Course # | Course | ECTS | Semester | Year |
|----------|--------|------|----------|------|
| 266-0100-00 | Capstone Project | 8 | | |

The study plan **is binding**…- what does it mean?

ETH*zürich*        Department of Computer Science

# Capstone Project

- Minimal prerequisites for the Capstone Project (CP) registration are:
  - → completed Foundation Course
  - → completed 12 credits in the Specialization Track
- Duration is at most 6 months
- Done under the supervision of the Swiss Data Science Center or of any faculty of Data Science
- All Information regarding CP to be found online here

- Information on available projects at the Swiss Data Science Center (SDSC) will be given towards the end of the semester (May) - further information and invitation to the event will follow during the semester

https://inf.ethz.ch/news-and-events/spotlights/2019/05/spotlight-sdsc.html

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A COMPLEX JOURNEY MADE SIMPLE

We accompany the academic community and the industrial sector in their data science journey, putting to work AI and ML and facilitating the multidisciplinary exchange of data and knowledge

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# Credit System

- European Credit Transfer System (ECTS)

- 1 ECTS = approx. 30 hours of studying

- Course completed successfully → **full amount** of **credits** is awarded


DAS programme: approx. 1'050 hours = 35 CP

# Grading System

**6** Very good

**5** Good

**4** Sufficient

**3** Insufficient

**2** Poor

**1** Very poor

- **Pass**: grade ≥ **4**

- **Fail**: grade < **4**

- Resolution for individual grades: 0.25

**Repetition of exams**

Every examination or project can be repeated **once**.

# Points of Contact

General Information about the DAS in Data Science
→ https://inf.ethz.ch/continuing-education/das-datascience.html

Queries related to **admission, invoices, enrolment**:

→ School for Continuing Education: info@sce.ethz.ch

→ Visit also the student portal: https://ethz.ch/students/en/continuing-education.html

Queries related to the **study program, study plan, administrative matters**:

→ das-in-data-science@inf.ethz.ch

# Recommendations

Please read your **@student.ethz.ch mail**

Please respect the deadlines for (de)registrations for your

→ courses
→ examinations

# All best wishes for your Studies at ETH