



DSI Minor Digital Skills

In the 30 ECTS Master's minor study program DSI Minor Digital Skills, students learn how to meet the challenges of the digital transformation and take advantage of its opportunities. They gain a multi-disciplinary scientific overview of digitalization and are encouraged to critically reflect on its effects on individuals and society as a whole. Students are provided with individual learning paths to hone their digital skills such as programming, artificial intelligence and cybersecurity. They apply these skills to current challenges in interdisciplinary project teams, integrating their ethical, legal and social knowledge.

In this study program, you will...

- **gain a profound understanding** of the digital transformation in our society.
- **expand your digital skills** based on your interests.
- **apply digital skills** to interdisciplinary challenges.
- acquire the skills and experience to **collaborate in interdisciplinary teams**.
- learn to **reflect critically** on topics within the field of digital transformation.
- get to **connect with a broad network** of researchers and practitioners.

2-step application procedure

The application to the DSI Minor Digital Skills is a 2-step procedure:

- 1) Application:** Directly apply to the DSI admission committee with all required documents.
- 2) Registration:** Once you have been accepted, you can register for the DSI Minor Digital Skills via UZH Student Services.



**Interested?
Find out more here**

This minor is offered via the School for Transdisciplinary Studies (STS).



DSI Minor Digital Skills Model Curriculum 30 ECTS



Fall Semester (HS)

Spring Semester (FS)

Interdisciplinarity and Digital Transformation (all P-Modules / min. 12 ECTS)

P/3 ECTS Teamwork on Digital Transformation Challenges I

Digital Transformation – a Scientific Overview **P/3 ECTS**

P/6 ECTS Teamwork on Digital Transformation Challenges II

Digital Transformation – an Artistic Reflection* **W/3 ECTS**

Programming, Machine Learning & AI (all P-Modules / min. 3 ECTS)

W/2 ECTS Programming Bootcamp*

Intermediate Python Programming** **P/3 ECTS**

Interdisciplinary Introduction to Machine Learning–Theory* **W/3 ECTS**
Machine Learning–Exercises* **W/2 ECTS**

Digital Skills & Tools (min. 6 ECTS)

W/3 ECTS Open Source Intelligence (OSINT)*

UZH Innovathon* **W/3 ECTS**

ChatGPT and Beyond* **W/2 ECTS**
Storytelling for Digital Transformation* **W/3 ECTS**

Inter-/Transdisciplinary Competencies (max. 3 ECTS)

Students can further choose 3 ECTS from the entire UZH-/ETH-offer **W/3 ECTS**
Please also consider the DSI Studium Digitale (in German)

* Electives (W-Modules) can be replaced by other electives offered within the digital skills study program. The W-modules listed here are just a suggestion. See the course catalogue (VVZ) for current offer.

** Students who can demonstrate equivalent or higher Python skills with courses already completed may substitute the course with other courses from all module groups offered within the digital skills minor program.

This model curriculum (version January 2025) illustrates a possible, exemplary selection of courses of the study program that begins each Fall semester (HS). No claims can be derived from this graphic (see StO/appendix study regulation).