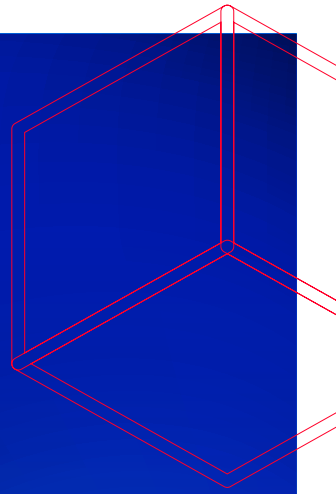


Zurich University  
of Applied Sciences



Life Sciences and  
Facility Management

Institute of  
Applied Simulation



## CAS in Digital Life Sciences

Continuing Education in  
Computational Science and  
Artificial Intelligence

Artificial  
intelligence  
is the new  
electricity

# CAS in Digital Life Sciences

## Prepare for the digital future today!

Digitalization is changing all areas of life and work at an increasing pace. There is rising demand in the job market for specialists with specific skills in data science, machine learning and simulation, and expertise in handling large amounts of data is more in demand than ever. **With the CAS in Digital Life Sciences, the ZHAW now offers a modular and customisable continuing education programme.** Not only is the CAS tailored to your needs, it is also compatible with a full-time job.

## Structure of the CAS in Digital Life Sciences

- **Modular:** A variety of courses
- **Personalized:** Configurable according to your own schedule
- **Customized:** Can be combined according to your individual requirements
- **On site:** Zurich and Waedenswil
- **Online:** Supported with online courses
- **On the job:** Diploma thesis can address a question from your own organisation

## Target audience

The CAS is aimed at professionals in all areas of the life sciences who have a university degree and wish to further their development in digital data processing. Practitioners with a comparable professional background can also be admitted. In addition, we offer tailor-made courses for companies.

## Objectives

Participants will be provided with the skills needed to recognize and leverage the benefits of digitalization, and to continue to successfully use the specialized knowledge they already have in their field in a digital work environment. They will gain a technical understanding of modern approaches to data modeling, data analysis, and simulation.

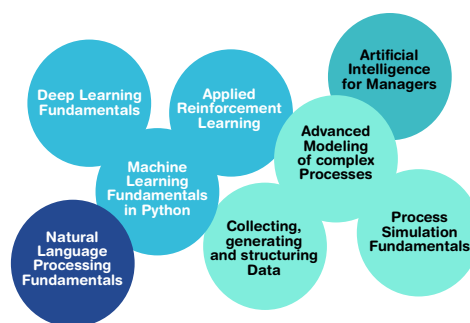
## Methodology

The courses are divided into two categories: methods and technologies. While the method courses teach basic concepts and principles, the technology courses cover the practical application of methods through the use of current and popular technologies.

## Courses

You can attend individual courses, select a study path which has been recommended specifically for you, or combine the courses into a CAS. The range of courses on offer is also continuously being updated and expanded, something which our modular course concept makes possible.

## Design a continuing education programme that meets your needs



\*More detailed information about the range of courses we offer can be found on our website.

## At a glance

**Start:** possible anytime

**Duration:** Individual courses last a few days; The CAS should be completed within a period of up to 3 years.

**Workload:** 12 Credits (ECTS). 1 Credit represents 25 to 30 hours of study.

**Number of participants:** Learn in a small group with a maximum of 20 participants.

**Admission:** University degree or equivalent qualification and at least two years of study-related professional experience.

**Fees:** CHF 575.- per ECTS point; All courses can also be taken individually.

**Location:** Waedenswil; Zurich (just next to the main station) and online. > If necessary, all courses can also be held online.

**Languages:** English and German

**Qualification:** «Certificate of Advanced Studies in Digital Life Sciences»

**Info and registration:** [www.zhaw.ch/ias/furthereducation](http://www.zhaw.ch/ias/furthereducation)

## Study and research in Waedenswil: practically-oriented, creative, passionate and reflective

The ZHAW is one of the leading Swiss universities of applied sciences. The School of Life Sciences and Facility Management currently has around 1500 students and over 600 employees. Its study and continuing education options include five Bachelor's and three Master's degree programmes as well as a broad selection of continuing education courses.

Our expertise in life sciences and facility management in the areas of the environment, food and health enables us to make a vital contribution to solving social challenges and improving quality of life. Our success is based on five dynamic institutes with extensive competence in research, development and services in the disciplines of chemistry and biotechnology, food and beverage innovation, natural resource sciences, applied simulation, and facility management.

## Contact

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