





ETH Sabbatical | CAS ETH AMaP

The ETH Sabbatical | CAS ETH AMaP is a customised continuing education programme for experienced industry professionals in the field of advanced materials, processes, and manufacturing technologies.

Manufacturing companies process materials into functional goods. In an ever-changing world, they need to constantly adapt their products. To ensure innovation and to make their success sustainable, they depend on skilled people.

CAS for MSc graduates in industry

In collaboration with industry partners, the ETH Zurich Competence Center for Materials and Processes (MaP) has developed a further education programme targeted at experienced industry professionals with an engineering or natural sciences Master's degree.

customisable in focus and duration (2-12 months). It builds on the student's expertise and takes into account the interests and needs of the employer.

Access to research and infrastructure

Participants (and their companies) gain access to the latest research in the field of Materials and Processes, complementing their skills and thus staying competitive in the job market. Benefits flow both ways: during their CAS studies at ETH Zurich, the student's practical industry knowledge will also enrich academic research.

Tailormade study plan

At the centre of the ETH Sabbatical | CAS ETH AMaP programme is a research project based on the participant's focus and interest. Mentored by a MaP professor, the student further chooses courses and lectures to deepen technical knowledge and passes on practical industry know-how in seminars and workshops.

The ETH Sabbatical | CAS ETH AMaP programme is fully



Research is crucial for technological advancement. The wordcloud illustrates current research focuses of MaP member groups.

Research project

Participants conduct a research project in the mentor's group with access to the latest ETH research infrastructure. The project's thematic focus is aligned with the core expertise of the mentor. It may address fundamental, development or applied problems, considering theoretical and/or experimental aspects.



Courses and lectures

To deepen their technical know-how with state-of-the-art knowledge, participants follow an individual course schedule put together from a wide range of lectures, seminars, and intensive courses offered at ETH Zurich.



Knowledge transfer

Building on their practical industry expertise, participants are invited to share their know-how in seminars and workshops. Directly and personally exchanging ideas about a research or education problem is a very effective way to transfer knowledge from industry to academia and vice versa.



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Application and start of programme

· Any time (upon agreement)

Structure and duration

- · Full-time: 2 months
- · Part-time: within max. 12 months
- Minimum 12 ECTS credits (= approx. 360 working hours)

Admission requirements

- Engineering or natural sciences Master's degree (or equivalent)
- Extensive industrial experience (at least 5 years) in the field of materials, processes, and manufacturing technologies
- · Letter of support from current employer

Accreditation

Certificate of Advanced Studies ETH in Advanced Materials and Processes

Cost

CHF 16,600

Location

- · Zurich (ETH Zentrum, ETH Hönggerberg)
- Basel (ETH Department of Biosystems Science and Engineering)

Interested?

Contact Ms. Klara Berg, Programme Coordinator sabbatical@ethz.ch, +41 44 633 37 53

ETH Zurich

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