Study in Switzerland
Zurich University of Applied Sciences
Switzerland — The Heart of Europe

- Reach destinations in Europe within 2 hours
- The School of Engineering is located in Winterthur, a 15-minute train ride from Zürich

https://www.myswitzerland.com/de-ch/winterthur.html

- The perfect public transport connections allow easy and comfortable travel in the country and in Europe
Switzerland

- 41,285 km² or 1.5% of the world's surface area
- 220 km North South
- 348 km West-East
- 65,000 km hiking trails
- 7000 Lakes
- Maritime climate north of the Alps; Mediterranean influence south of the Alps
- Population 8.67 million with 25% internationals
- 4 official languages & English
- Home to two of the most liveable Cities in the world (Zürich and Geneva)
- Switzerland’s Gotthard Tunnel is the longest in the world
- It’s Home to Einstein’s Most Famous Formula

- World Nr. 1 Global Innovation Index 2020
  https://www.globalinnovationindex.org/analysis-indicator
- One of the most competitive economies in the world (IMD 2021)
  https://www.imd.org/centers/world-competitiveness-center/rankings/world-competitiveness/
Study at the School of Engineering

1892

21th century
ZHAW School of Engineering (SoE)

**Strong Position**

- We educate 20% of the Engineers in CH
- 9 Bachelor’s programs & Master’s program with 11 profiles
- State of the art infrastructure and laboratories
- Praxis focussed education – cooperation with the industry

**Focus Areas & Interdisciplinary R&D platforms**

- Health, Mobility, Energy, Information
- R&D Platforms: Digital Mobility, Industry 4.0, Intelligent Motion, Medical Systems, Photovoltaic, Smart cities and regions, Photonics

**English Modules**

- 113 modules (classes) with 415 ECTS Credits
- You can choose modules from different programs
- The master with 11 profiles is entirely taught in English
- Please check modules taught in English

The main advantage of R&D at a UAS like ZHAW: Lecturers are active in R&D and in teaching. This allows for «native» and direct Technology Transfer in both directions.

External funds for extended performance mandate in millions
Funds consist of third-party contributions, other funding from the federal government, contributions from CTI, SNF, EU and other international research programmes.
Figures based on the 2018 financial year.
## Number of students per degree programme autumn semester

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<th>Programmes</th>
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Master of Science in Engineering (MSE)

• The term MSE (Master of Science in Engineering) denotes 14 separate Master's courses/profiles in engineering.

• ZHAW School of Engineering offers the following eleven profiles:
  • Aviation, Business Engineering, Civil Engineering,
  • Computer Science, Data Science,
  • Electrical Engineering, Energy and Environment,
  • Mechanical Engineering, Mechatronics and Automation,
  • Medical Engineering and Photonics.

• Master's students are allocated to an institute/centre which has a high level of expertise in your chosen profile. There, you will work on practical R&D projects

https://www.zhaw.ch/en/engineering/study/masters-degree-programme/
We offer:

• An attractive set of English taught modules
• Laboratory work as an integral part of most modules
• Small classes
• The option to perform project work
• The possibility of a scholarship
• Support by buddies
• Continuous, individual support (if needed) by the international office
• Free access to sport facilities (ASVZ)
• Access to activities e.g., organized by the Erasmus Student Network (ESN)

Programs with English taught modules

- Aviation
- Electrical Engineering
- Computer Sciences
- Mechanical Engineering (incl. Materials and Process Engineering)
- Systems Engineering
- Engineering and Management
- Master of Science in Engineering *
Our Academic Year

- For an exchange semester we recommend the Autumn Semester
- Project work with a duration of 2 - 3 month is feasible «all year»
- If required, we offer online exams so that you can leave before x-mas
On the average a student needs 1’500 CHF per month. Students of an Erasmus partner will receive automatically the SEMP grants. On top, exchange students can apply for the “SoE” Scholarship for students from overseas: max. CHF 3’000, for students from Europe: max. CHF 2’000.

The student accommodation cooperative WOKO offers reasonably priced accommodation. Visa, Residence and Work Permit → Student visa.
Further information

Find the information you need in:

- the internet (e.g. Experience Reports Incoming Students)
- the flyer for exchange students
- the fact sheet School of Engineering
- the detailed module descriptions
Why Switzerland
Why School of Engineering - in a nutshell

• Attractive touristic place in the centre of Europe
• Central location in the ZH-metropolitan area
• We educate 20% of the Engineers in CH
• Board spectrum of engineering disciplines
• English thought modules (Bachelor)
  the master English modules only
• Project work based on real demands of the
  industrial partners
• Small classes and close interaction with the
  lectures - research based education
• Scholarships in addition to Erasmus/SEMP
  grants

QUALITY
EXCELLENCE
ORGANISATION
PERFECTION
CORRECTNESS
RELIABILITY
WORK /
PERFORMANCE
PRAGMATISM
SAFETY
PUNCTUALITY
HARMONY
CONSENSUS
SENSE OF
FRIENDSHIP
Selected Links SoE Videos

General - School of Engineering  https://www.youtube.com/watch?v=joHIbrmdpvc

Bachelor's degrees

Aeronautical Engineering  https://www.youtube.com/watch?v=twPV6-SL_Es
Data Science (in german) https://youtu.be/0s55DPk4Qk4

Energy and Environmental Engineering

Mechanical Engineering  https://www.youtube.com/watch?v=ie0vRIx_8uc
Industrial Engineering  https://www.youtube.com/watch?v=K5cUz-3zCi0
Information Technology  https://www.youtube.com/watch?v=iN2uKgMrQRc
System Engineering  https://www.youtube.com/watch?v=_ebba3o14cw
Transportation Systems  https://www.youtube.com/watch?v=RuWQCK7A8rc

Master of Science in Engineering in Engineering

https://www.youtube.com/watch?v=en6QhIcyDdU
Switzerland has a lot to offer...
Consult:  www.myswitzerland.com

I need the best of Switzerland

Beautiful natural landscapes...
“Tail-coat week”
Technical Night
What to do in Switzerland? Spring/Summer

- Sechseläuten
- Hiking
- “Badi”
- Street Parade
- Italian Switzerland
- River Rafting

© Michael Farley
What to do in Switzerland?
Fall/Winter

- Rhine Falls
- Fondue
- Wine Tasting
- Winter Sports
- Raclette Party
- Christmas Market

© Michael Farley
Clichés about Switzerland

Chocolate, watches, banks, money, mountains, traditions, cheese
Hope you get the other, real Switzerland