

ETH Zurich  
Study administration  
Universitätsstrasse 16  
8092 Zürich  
SwitzerlandPhone +41 44 633 60 82  
env\_science@ethz.ch

www.usys.ethz.ch

## Qualification profile Master in Environmental Sciences

The ETH Zurich Department of Environmental Systems Science provides a high-level research and teaching environment. Teaching is undertaken by staff active in research and committed to a theoretical and practice-oriented teaching programme.

Graduates are qualified to act as experts and leaders in diverse settings – for example in universities, research institutions, environmental and planning offices, public administration, banking, insurance and industrial services. Specifically, the Master's programme aims to impart the knowledge and competences listed below.

### General skills

Graduates with a Master's degree in Environmental Sciences will

- be analytical in their work;
- have a broad and in-depth scientific knowledge;
- have experience in acquiring knowledge independently in new areas;
- be able to synthesise knowledge and to investigate complex issues;
- have the ability to engage in interdisciplinary work;
- effectively communicate and discuss research topics and results of research;
- qualify for employment that requires sound judgement, personal responsibility, initiative and innovation power;
- successfully work in an international environment.

### Subject-specific skills and knowledge

The Master's programme involves specialisation which means that graduates acquire individual subject-specific skills and competences by selecting a major and electives offered. In addition, graduates attend courses which form a coherent curriculum encompassing an appropriate combination of general methods and tools. Thus, graduates with a Master's degree in Environmental Sciences will be able to

- draw from an in-depth knowledge and be at the forefront of the research in the field of the chosen major;
- adapt and extend scientific methods and techniques to new applications;
- build on scientific research experience acquired during the Master thesis;
- conceptualise real-life problems with realistic models and to analyse the results with appropriate methods;
- develop solutions in collaboration with stakeholders.