

Doctorate

Doctor of Sciences ETH Zurich



PhD Program in Computer Science

Computer Science at ETH Zurich stands for ground-breaking research at one of the world's leading institutions located in one of Europe's most attractive cities. If you strive for the highest standards in research, then ETH Zurich is the perfect choice!

Cutting-edge and multi-faceted PhD program

ETH's Computer Science Department runs an international doctoral program offering a wide spectrum of broad reaching focus areas including Information Security, Machine Learning, Programming Languages, Software Engineering, Systems, Theoretical Computer Science, and Visual Computing.

As a doctoral student you will become part of a research group where you will also be employed as a research assistant and receive rewarding work experience, as well as a competitive salary that comfortably covers the cost of living in Switzerland. The time to complete the PhD degree typically ranges from 4–5 years.

The department's goal with this highly ranked program is to educate students to become mature researchers and future leaders in the field of Computer Science.



A university with a world-class reputation

21 Nobel laureates such as Wilhelm Konrad Roentgen, Albert Einstein and Kurt Wuethrich have studied, taught, or conducted research at ETH. Since its foundation in 1855, the institution has believed and invested in long-term research.

ETH continually strives to bring some of the world's biggest thinkers to Zurich, fostering a vibrant intellectual community for its students and young researchers. It regularly appears near the top of international rankings as one of the best universities in the world. Currently, more than 450 professors maintain and build upon its excellent reputation and scientific proficiency.

Business and industry partnerships

The internationally diverse faculty of about 30 professors consists of high-caliber experts in their fields, and the impact of their research attracts business and industrial collaborations from around the world. Collaborators include some of the biggest global names in information technology such as IBM, Microsoft, Intel, SAP, Google, and Credit Suisse. The department also takes pride in the foundation of the Disney Research Zurich center at ETH, the only Disney research laboratory in Europe.

Incubator for start-ups

Transferring knowledge and technology to the private sector and society at large is one of ETH's

Research areas of the Computer Science Department's faculty:

www.inf.ethz.ch/research.html

Further information:

www.inf.ethz.ch/doctorate.html
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primary missions. Its success is demonstrated by an average of 80 new patent applications each year and the 283 spin-off companies set up between 1996 and 2013. These spin-offs have a survival rate of about 90%, and play an important role in creating new growth and jobs. In 2013, about 70% of ETH's company founders were doctoral students and 30% Master's students or employees.

Their success is fostered by strengthened ties and close partnerships to business and industry, venture capital firms, and private investors.

Fast-Track Doctorate

The Fast-Track Doctoral Studies program offers exceptionally qualified students the possibility of enrolling in a doctoral studies program (tentative admission) before having fully completed their Master's degree. It

of modern living. Zurich, one of the world's leading financial hubs, is Switzerland's largest city and its economic and cultural center. For many years it is ranked among the most livable cities in the world. Within walking distance of ETH, Zurich's core is a beautiful old town with excellent restaurants, quaint cafés, world-class museums and galleries.

As ETH's PhD student, you will have extraordinary opportunities for growth and learning both inside the institution and out. The cultural and leisure facilities encompass a vast array of activities making the diverse and dynamic atmosphere of ETH a great place to work, develop, and enjoy the success.



«ETH is a fantastic place to pursue a PhD with its internationally renowned faculty, Switzerland's generous funding environment, and an exciting town and mountains right at its doorstep.»

Prof. Markus Püschel, Head of the Department

is an ideal program for students who desire to pursue a career in academia or industrial research. All students who wish to enroll in this accelerated degree program need to first apply and enroll normally in the computer science Master's program. At the end of the first semester they can apply for the Fast-Track assessment.

Switzerland and Zurich

Switzerland is known for its political and economic stability, safety, and exceptional beauty. Swiss cities have a deep and rich history and combine traditions with the highest standards



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