

Master Studies in Software Engineering



Software Engineering focuses on the systematic, efficient and effective development of software systems. The study programme in Software Engineering comprises the use of specification, design, programming, validation and lean project planning and management to develop high quality, affordable and maintainable software systems. Communication skills and team work are also an important part of the studies. There is a special emphasis on the development of Internet-based software services and applications.

The study programme is designed to provide the student with the necessary knowledge and skills to join the software industry and participate in demanding software development projects. It also provides the required background for doctoral research in Software Engineering.

Successful completion of this two-year full-time study programme results in the award of a Master of Science (Technology) degree in Computer Engineering – Software Engineering.

Objectives of the Programme

During the programme the students will acquire the following skills:

- Learn advanced specification, design, programming, and validation techniques
- Understand software project planning, management methods and tools
- Improve communication and team-work skills
- Familiarize with the development of web-based software services and applications
- Participate in demanding software development projects
- Obtain knowledge and competence to join the software industry

Master's thesis

After completing all the courses, students will do their thesis project either at the department by contributing to the scientific research of the university or in industry under the guidance of local or external advisors.

Career prospects

When graduating, the students will have both a good understanding of theoretical issues for starting PhD studies, as well as practical competences for a successful career as software engineers in the industry. The numerous fields in which software systems are applied ensure a wide range of career opportunities in Finland and abroad.

Admission requirements

Participation is limited to 10 persons. The programme is open to those holding a Bachelor's degree in Computer Engineering or Computer Science or a closely related field. Sufficient knowledge in English language is also required.

For details, please see the admission pages at www.abo.fi/master

Åbo Akademi University was founded in 1918 and is the only Swedish-language multidisciplinary university in Finland.

The university offers both undergraduate and postgraduate studies and extensive research opportunities to some 7,000 students on three campuses: Åbo, Vasa and Jakobstad.

This programme is offered by the Department of Information Technologies at the Åbo Akademi University



Degree awarded
Master of Science (Technology)
Degree (diplomingenjör)

Duration
2 years (120 ECTS)

Language of instruction
English

Location
Åbo Akademi University - Turku
www.abo.fi

Programme start
September



Contact

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