**The specialisation in Software Engineering enables you to:**

* evaluate and select software engineering methods and processes based on current research to address software engineering challenges encountered in practice
* systematically evaluate the application of methods, tools and techniques
* design and implement the architecture of software applications answering both functional and non-functional requirements
* relate the individual project to the overall IT strategy of an organisation
* develop and implement an IT governance structure for an organisation.

**Career Prospects**

The specialisation is designed to enable you to work as a software engineer and, after gaining industrial experience, provide the base to take over roles as project manager or technical lead. You will read the courses together with students studying our part time Master in Software Engineering who already now work in theses areas.

**Prerequisites**

The are no formal requirements for the specialisation, but students are expected to have intermediate programming skills and have taken an introductory software engineering course.

If you do not have knowledge within these areas before starting the specialisation, you can choose [Software Engineering and Software Qualities](https://mit.itu.dk/ucs/cb/course.sml?course_id=1921945&mode=search&goto=1494226494.000) for your elective on the first or second semester.

**Project supervisors**

The following members of faculty have teaching or research experience that relate to the specialisation. You can contact them if you want to pursue the specialisation's topic area in a project or in your thesis.

* [Yvonne Dittrich](http://www.itu.dk/people/ydi/)
* [Mansooreh Zahedi](mailto:mzah@itu.dk)

**Specialisation contact person**

[Yvonne Dittrich](http://www.itu.dk/people/ydi)

Contact Yvonne if you want to know more about the specialisation contents or its prerequisites.