**The specialisation in Web Systems enables you to:**

* understand and apply various web programming concepts, tools and techniques to develop Web systems
* be conversant of the principles of user interface design in developing dynamic web applications
* develop and design Web user interfaces from existing server-side resources
* learn about sketching, wire-framing, layout principles, composition and the process of web site design and prototyping
* develop an understanding of the practice of the use of HTML5 and CSS3
* develop competency in Javascript and server-side programming for the Web
* work and develop Web sites in inter-disciplinary teams
* formally model, design and implement correct complex process-aware distributed systems.

**Job opportunities**

Everyone needs to know how to do a little develop for the Web but not everyone can be design savvy to the extent that they can be a Professional web developer. Design aesthetics is not something we teach at the ITU, so you probably have that skill already. If you are not a designer, think of partnering up with someone who is. However, on the more technical side, you might build expertise with web analytics, or some other web framework or toolkit, that will set you up nicely for the job market. A thesis in the Web Systems specialisation is likely therefore for students who are strongly focused on practical and vocational outcomes or are, in some other way, entrepreneurial.

**Prerequisites**The are no requirements for the specialisation.

**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.

* [Peter Eklund](https://pure.itu.dk/portal/en/persons/peter-eklund(74861f93-b46f-4e10-9310-4a4afdcfe227).html) - most students who do the web systems option have great ideas of their own, many come to me and pitch their project and then I help them project manage it to an outcome that is suitable as a MSc. thesis. Some students are specifically interested in a platform or technology and they use their Masters thesis to develop their expertise with the job market in mind. That too is okay. I can also feed you some food for thought if you like, since I am interested in linked open data and semantic navigation, specifically for Museum and cultural collections.
* [Riko Jacob](http://www.itu.dk/people/rikj/)

**Specialisation contact person**[Peter Eklund](https://pure.itu.dk/portal/en/persons/peter-eklund(74861f93-b46f-4e10-9310-4a4afdcfe227).html)Contact Peter if you want to know more about the specialisation contents or its prerequisites.