



*Front-end web development is an IT educational programme where coding, visual design, web/mobile design, and UX design meet.*

## FRONT-END DEVELOPMENT COURSES, 30 ECTS CREDITS

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**Front-end web development is an IT educational programme where coding, visual design, web/mobile design, and UX design meet. There is an increasing demand for front-end web developers in the rapidly growing industry, which means significant career opportunities for our students.**

**Our package of front-end web development courses gives you real-world skills and knowledge in designing user experiences (UX) and user interfaces (UI), which are crucial for the success of any website or mobile application.**

The courses will help you gain a thorough understanding of theories and methods for the design of engaging and functional web and mobile applications. You will acquire the skills and knowledge to design user experience (UX) that incorporates the psychology behind decision-making. Through these hands-on courses, you will produce interactive online solutions which will deepen your understanding of the fundamental concepts, practices, workflows, processes, and coding used for web/mobile development. Front-end web development courses are focused on developing products that are of high aesthetic value, good functionality, and well applied technical execution. Special attention is given to critical thinking and the evaluation of a developed user experience (UX).



### **Modelling (7.5 ECTS credits)**

The first course, Modelling (7.5 ECTS credits), provides an orientation to the modelling processes that take place in connection with the design, implementation, and testing of web applications, for example, by establishing and illustrating the requirements for interaction between a web application and its users.

### **Interface Development (7.5 ECTS credits)**

Interface Development (7.5 ECTS credits), which runs parallel with the first course, is oriented towards the actual prototyping and development of interactive solutions for particular user personas and contexts. The course is designed to correlate with the contents of the Modelling course.

### **UX Design: User Experience Design and Evaluation (15 ECTS credits)**

Finally, in the third course, UX Design: User Experience Design and Evaluation (15 ECTS credits), students use the skills acquired in the previous courses to test and iteratively develop a web/smartphone application for improved user experience. By putting people and their needs first, and through making use of a specific JavaScript framework introduced in the first half of the term, this course provides a survey of theories, different quantitative and qualitative methods, and technologies used in UX design development and evaluation.

Even though the Modelling course has no formal prerequisites with respect to knowledge and skills, the other two courses require an understanding of web technologies in general and knowledge and skills in HTML coding, CSS design, and JavaScript programming in particular.

## HOW TO APPLY

Incoming exchange students apply through our online application system called TransIT. Please note that you must be nominated by your home university in order to apply.

#### **Nomination deadlines**

Autumn Term: 15 April  
Spring Term: 15 October

#### **Application deadlines**

Autumn Term: 1 May  
Spring Term: 1 November

## MORE INFORMATION

If you have any questions please visit our website at [hb.se/exchangecourses](http://hb.se/exchangecourses) or contact the International Office at [internationalstudent@hb.se](mailto:internationalstudent@hb.se)

