Program Structure

In order to complete the Master's degree program in Human-Centered Intelligent Systems, students must obtain a total/minimum of 120 ECTS by fulfilling subject area requirements, completing the compulsory modules and finally the Master's thesis.

Study plan	Semester	CP
Compulsory area: Compulsory modules		
Introduction to Learning Systems and Data Science	1. Semester	6
Designing Interactive Systems I	1. Semester	6
		12
Compulsory elective area: Artificial Intelligence and Machine Learning		
At least 2 compulsory elective modules	1.-3. Semester	each 4, 6 or 8
		min. 12
Compulsory elective area: Human-Centered and Interactive Technologies		
At least 2 compulsory elective modules	1.-3. Semester	each 4, 6 or 8
		min. 12
Compulsory elective area: Use and Societal Impact		
At least 2 compulsory elective modules	1.-3. Semester	each 4, 6 or 8
		8 – 16
Elective area: Computer Science Electives		
Max. 2 elective modules	1.-3. Semester	each 4, 6 or 8
		0 – 12
Compulsory elective area: Labs, Seminar and German Language Course		
Fraunhofer lab	2.-3. Semester	9
Second lab[(1)]	2.-3. Semester	7 or 9
Seminar	2.-3. Semester	4
German course (or additional seminar[(2)])	2.-3. Semester	4
		24 – 26

Master's thesis		
Master's thesis	4. Semester	30
		30
Total		**120**

Remarks:

(1) The second lab can be chosen either from the courses offered by the Department of Computer Science at RWTH Aachen University or from the courses offered by the Department of Computer Science at the University of Bonn.

(2) Students who have acquired their study qualification at a German-speaking institution or who have German as their mother tongue must complete an additional seminar instead of the German course.