

Courses for the modules in Computer Science within the Bachelor's program "Cognitive Science":

For the mandatory module CS-BP-INF / CS24-BP-INF ("Introduction to Computer Science"), the regular course to take is "Informatik für Anwendende" (9 ECTS). Alternatively, "Einführung in die Programmierung" (9 ECTS) can be taken, but this requires that one also takes "Einführung in die Algorithmik" (9 ECTS) for the mandatory electives.

After taking "Informatik für Anwendende" for the mandatory module, there are different options for the mandatory elective module CS-BWP-INF / CS24-BWP-INF ("Topics in Computer Science"):

"Einführung in die..." courses (9 ECTS each):

- "... Algorithmik" (summer term; recommended option after taking "Informatik für Anwendende", only available option after taking "Einführung in die Programmierung", which is required to be taken together with "Einführung in die Algorithmik")
- "... Theoretische Informatik" (summer term; further recommended option after taking "Informatik für Anwendende")
- "... Technische Informatik" (winter term)

further options (6 ECTS each):

- INF-INF-ALG-CG6 "Computergrafik" (summer term; further recommended option after taking "Informatik für Anwendende")
- INF-INF-SK-DBS6 "Datenbanksysteme" (further recommended option after taking "Informatik für Anwendende")
- INF-INF-SK-SWE6 "Software Engineering" (winter term; further recommended option after taking "Informatik für Anwendende")
- INF-GI-DBV „Digitale Bildverarbeitung“ (summer term)
- INF-INF-SYS-BS6 „Betriebssysteme“ (winter term)
- INF-INF-SYS-RN6 „Rechnernetze“ (winter term)
- INF-INF-ALG-KO6 „Kombinatorische Optimierung“ (winter term)
- INF-INF-KI-KIG Künstliche Intelligenz (summer term; not recommended due to overlap in content with the "Intro to AI" and "Methods of AI" courses)