HUMAN LANGUAGE TECHNOLOGY - GRADUATE CERTIFICATE

The explosive growth of the web and the vast improvements in computing power in the last decade have led to a strong need for education and research in human language technology. Human language technology is an interdisciplinary field that includes the following key technological and scientific areas:

- Computer Speech Recognition and Understanding
- Natural Language Understanding and Generation
- Text-based Information Retrieval
- Web-Based Dialog Agents

CU Boulder’s interdisciplinary certificate in human language technology, offered jointly by the Institute of Cognitive Science; the Department of Computer Science; the Department of Linguistics; and the Department of Speech, Language, and Hearing Sciences, provides a rich and broad background for students interested in computational tools for human language processing.

To learn more about the certificate, visit the Institute of Cognitive Science’s website (https://www.colorado.edu/ics/graduate-programs/human-language-technology-certificate).

Curriculum

The curriculum for the certificate consists of five different courses:

- **One** semester of programming (CSCI 1300) (waived for those with programming background).
- **Three** courses from the core list; at least two of these three must be outside the student’s home department and college.
- **One** course from the optional course list (or two from the optional list if programming was waived). Extra courses from the core list (beyond the required three) can also be counted as optional courses.

Three of these five required courses must be taken at the graduate level.

For a list of core and optional courses, visit the ICS website (https://www.colorado.edu/ics/graduate-programs/human-language-technology-certificate).