

The graduate programs in Language Technologies draw on CMU's longstanding accomplishments in natural language processing.

The curricula of the graduate programs are based on a set of approved courses that cover linguistic and statistical approaches, basics of computer science, and in-depth coverage of applied areas of language technology.

Machine translation, information retrieval, and speech recognition are strongly emphasized.

Students will also benefit from a modular set of laboratory courses, in which they will learn the basics of natural language technology through intensive hands-on practice.

The Master in Language Technologies (MLT) is a professional degree which can be completed in a two-year track or in a concentrated twelve-month track.

Students choose an individualized curriculum from a set of approved courses and self-paced laboratory modules.

Courses should be chosen to emphasize a specialty in one of three language technology areas: machine translation, information retrieval, or speech recognition.

Faculty advisors work with students to construct their individualized curricula and supervise directed research.

This directed research can focus on original research or a significant contribution to an existing language technology.

The Ph.D. curriculum draws on the same set of approved courses and laboratories as the MLT, but with additional distributional requirements which provide students with a broader education in all areas of language technology and computational linguistics. Ph.D. students can specialize in more theoretical aspects of computational linguistics, as well as the three main language technology areas. Ph.D. students must also demonstrate proficiency in presentation, writing, programming, and teaching, and defend a Ph.D. thesis containing significant original research.