UNT Linguistics is supported by an active linguistics research community with ties across campus and with local, national, and international communities. Our faculty engage in national and international collaborative research in computational linguistics, language variation, language documentation, and language acquisition and teaching.
Whether you know it or not, Computational Linguistics already plays a role in your everyday life. It has helped you to save thousands of keystrokes when composing text messages, interact with your phone and home assistants by voice, understand web pages or documents written in other languages, and search the web. The UNT Linguistics department offers an MA with a concentration in Computational Linguistics specializing in this exciting and growing field. Computational linguists are in high demand at companies such as Google, Facebook, Amazon, and LinkedIn!

Why UNT Linguistics?

UNT Linguistics faculty are world-class experts in linguistic typology, language documentation, poetics, and theoretical linguistics, as well as computational linguistics and language acquisition. Students in this concentration will develop a deep understanding of linguistic structures, across a wide range of languages and language varieties, together with the technical foundations needed to work in computational linguistics (CL) or natural language processing (NLP). Training in linguistics aids in understanding why NLP systems make the types of errors they do, and it also helps us see how to improve their performance. Being able to apply these insights for many languages is a rare set of skills, and these are exactly the kinds of skills we want our graduates to learn.

**Degree Requirements**

The MA in Linguistics degree is a 36-hour program.

**Course requirements include:**
12 hours of core courses  
24 hours of foundation courses  
Students who elect to write a thesis will take  
6 hours of thesis LING 5950 in lieu of 6 elective hours.

**Core Courses – 12 hours**  
*LING 5040 - Principles in Linguistics - Needed prerequisite if your degree does not have a background in Linguistics  
LING 5070 - Research Design in Linguistics  
LING 5300 - Phonology I  
LING 5310 - Syntax I  
LING 5530 - Semantics and Pragmatics I

**Foundation Courses – 24 hours**  
The eight foundation courses should be decided in consultation with the graduate advisor.

**Who is Hiring Computational Linguists?**

Here are just a few examples:

- **GOOGLE**  
  Information structure, natural language understanding and generation, machine translation

- **FACEBOOK**  
  Speech recognition, language modeling, information extraction, semantic analysis

- **AMAZON**  
  Machine translation, software development, localization engineering, natural language understanding.

- **LINKEDIN**  
  Text and data curation, multilingual text analysis

**Students may work in the following areas:**

- Artificial Intelligence  
- Machine Learning  
- Natural Language Processing  
- Computational Linguistics  
- Learning Technologies  
- Machine Translation  
- Digital Data Curation  
- Business Analytics  
- Information Science

**Skill sets in Linguistics & Computer Science include:**

- Automating Linguistic Analysis  
- Morphological Analysis  
- Syntactic Analysis  
- Semantic Analysis  
- Linguistic Typology  
- Computer Programming

Extending Proficiencies to Marketable Skills