OUR COMMUNITY

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.

Contact Us:

Department of Linguistics
940-565-4552
Discovery Park, Suite B201

Email: ling-info@unt.edu
Web: linguistics.unt.edu

Questions regarding Admissions or Advising:

Advising & Admissions Office
M-F 8:00am-5:00pm
940-565-2445
Discovery Park, Suite C232

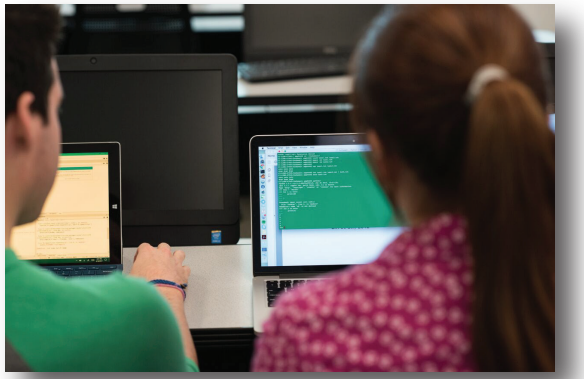
ci-advising@unt.edu

UNT
COLLEGE OF INFORMATION
Department of Linguistics

Master of Arts

with a concentration in

COMPUTATIONAL LINGUISTICS



COMPUTATIONAL LINGUISTICS

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 a STEM designated 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!

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

Required Foundation Courses:

LING 5405 - Programming for Linguistics
LING 5410 - Foundations of Computational Linguistics
LING 5412 - Advanced Models of Language
LING 5415 - Special Topics in Computational Linguistics

The additional foundation courses should be decided in consultation with the graduate advisor. The selection of these courses will be individually tailored with the graduate advisor to support students' goals and interests in the program.

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

FBI & CIA
Counter terrorism and domestic intelligence; cyber-security

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

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.