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. Some of the activities from this research network include:

Linguistics Colloquium

Linguistics in Motion Film Series

Linguistics Conferences in Symposia

Student Linguistics Association at North Texas (SLANT)

Computational Linguistics Club

Contact Us:

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

linguistics.unt.edu

ling-info@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 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!

Required Courses

Core Courses – 15 hours
LING 5070 - RESEARCH METHODS IN LINGUISTICS
LING 5075 - QUANTITATIVE RESEARCH METHODS
LING 5300 - PHONOLOGY I
LING 5310 - SYNTAX I
LING 5530 - SEMANTICS AND PRAGMATICS I

Foundation Courses – 6 hours
LING 5410 - COMPUTATIONAL LINGUISTICS I
LING 5550 - CORPUS LINGUISTICS

Elective Courses – 12 hours
LING 5315 - ANNOTATION THROUGH SQUIBS
LING 5350 - TYPOLOGY
LING 5412 - NLP IN LINGUISTICS
LING 5415 - COMPUTATIONAL LINGUISTICS II
INFO 5731 - COMPUTATIONAL METHODS
FOR INFORMATION SYSTEMS

Research Seminar – 3 hours
LING 5990 - PROFESSIONAL DEVELOPMENT FOR
LINGUISTS

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:

Natural Language Processing
Computational Linguistics
Learning Technologies
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
Machine Learning
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.