Application for the Graduate Certificate

in Computational Linguistics

UNC Chapel Hill

**General Information about Applying for the Certificate**

The Graduate Certificate in Computational Linguistics is available to UNC-CH graduate students and non-degree-seeking students with prior undergraduate training in linguistics, information science, and/or computer science. The program is intended for students who wish to expand their training in one or more of these three areas to focus on applied and theoretical knowledge related to natural language processing and generation, machine learning, and text and data mining.

**Requirements**:

1. Complete three graduate courses (9 credit hours with a grade of H or P) from a small list of courses (see below).

2. Only one of the three courses may count towards the student’s MA or PhD degree, if they are in a degree program concurrently.

3. If the student is already a graduate student in Linguistics, Information and Library Science, or Computer Science, the three courses that satisfy the Certificate must be taken in one or more departments outside their home department.

If the student is a non-degree-seeking student, the three courses will be determined in consultation with the student’s primary advisor, with the goal of supplementing prior training.

4. Students are expected to engage in the life of the departments involved in this Certificate, attending as many talks, colloquia, and lab group meetings as are relevant to the student’s primary areas of interest and which align with the student’s career goals.

**Courses:**

*Degree students whose background is in Linguistics must choose at least two courses from:*

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| **COMP 455** Models of Language and Computation | **INLS 509** Information Retrieval |
| **COMP 486/INLS 512** Applications of NLP | **INLS 613** Text Mining |
| **COMP 562** Introduction to Machine Learning | **INLS 690-270** Data Mining: Methods and Applications |
| **COMP 586** Introduction to NLP | **STOR 565** Machine Learning |

*Degree students whose background is in Computer Science or Information and Library Science must choose at least two courses from:*

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| --- | --- |
| **LING 401** Language and Computers | **LING 528** Language Acquisition I |
| **LING 460** Introduction to Textual Data Analysis | **LING 530** Syntactic Theory I |
| **LING 520** Linguistic Phonetics | **LING 537** Semantic Theory I |
| **LING 523** Phonology | **LING 540** Mathematical Linguistics |
| **LING 527** Morphology |  |

**Graduate Certificate in Computational Linguistics**

1. Applicant Information

Name:

Address:

City, State, Zip:

Telephone: E-mail:

PID:

Current Degree Program: CB#:

Anticipated Degree Date:

2. Prior Relevant Coursework

Please list previous coursework you have successfully completed in the areas of Linguistics, Computer Science, or Information and Library Science. Please indicate whether the course was taken at the Graduate (G) or Undergraduate (UG) level, and whether the course was taken at UNC or at another university. List the course number, course name, instructor name, and term taken (e.g. LING 520, Moreton, Fall 2019). Please include a syllabus if the course was Special Topics or not taken at UNC-CH.

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| Linguistics | Computer Science | Information Science |
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3. Statement of Interest

Please tell us why you are interested in applying to this program. How does your background make you a good candidate for this program? How does the Certificate in Computational Linguistics align with your career goals? You may attach a separate document.

4. Please request letters of recommendation from 3 faculty, preferably in a field related to Linguistics, Computer Science, Statistics, and/or Information and Library Science, who can speak to your academic abilities and performance. Please list the names and email addresses of your recommenders here. All letters can be submitted to the email address below.

1.

2.

3.

Letters may be submitted to:

Prof. Katya Pertsova, Director of the Graduate Certificate in Computational Linguistics

Department of Linguistics, CB#3155

University of North Carolina

Chapel Hill, NC 27599-3155

**pertsova@email.unc.edu**