COMPUTATIONAL
LINGUISTICS CERTIFICATE
PROGRAM - GRADUATE

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>APLN 550</td>
<td>Computational Linguistics</td>
<td>3</td>
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<tr>
<td>APLN 552</td>
<td>Special Topics in Natural Language Processing</td>
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<td>APLN 553</td>
<td>Text Analysis Tools</td>
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**Core Courses**

**Additional Courses**

Based on academic background, select one of the following: 9-12

**Linguistics Background**

- CSIT 501 Java Programming
- CSIT 503 Data Structures
- CSIT 504 Discrete Mathematics in Computing

**Computer Science Background**

- APLN 500 Language and Linguistics
- APLN 504 Syntax
  
  or APLN 524 Advanced Structure of American English

Select one of the following:

- APLN 502 Sociolinguistics
- APLN 504 Syntax
- APLN 505 Semantics and Pragmatics
- APLN 506 Phonetics and Phonology
- APLN 510 Discourse Analysis
- APLN 520 Current Theories of Second Language Acquisition
- APLN 560 Translation Theory
- APLN 570 The Structure of American Sign Language

**Total Credits** 18-21