CS4395 - Human Language Technologies

**CS 4395** Human Language Technologies (3 semester credit hours) Introduction to human language technologies (HLT), the study of natural languages from a computational perspective. Topics include computational models of syntax and semantics, natural language applications (such as machine translation, speech processing, information retrieval, and information extraction), and general machine-learning techniques commonly used in state-of-the-art HLT research. Prerequisites: ([CS 3341](https://catalog.utdallas.edu/2018/undergraduate/courses/cs3341) or [SE 3341](https://catalog.utdallas.edu/2018/undergraduate/courses/se3341)) and ([CE 3345](https://catalog.utdallas.edu/2018/undergraduate/courses/ce3345) or [CS 3345](https://catalog.utdallas.edu/2018/undergraduate/courses/cs3345) or [SE 3345](https://catalog.utdallas.edu/2018/undergraduate/courses/se3345) or [TE 3345](https://catalog.utdallas.edu/2018/undergraduate/courses/te3345) or equivalent). (3-0) Y