Language Science, B.A.

The B.A. in Language Science provides students with an interdisciplinary foundation in the scientific study of language, including its mental representations, its development and use, and its biological basis.

Students completing the B.A. in Language Science combine interests in theoretical linguistics, language development and use, the advanced study of natural or formal languages, and some combination of neuroscience, psychology, logic, computer science, anthropology, education, and hearing and speech sciences. In the process of relating these interests to the scientific study of language and its applications, students develop an understanding of the analytical tools of formal language study.

Graduates have an interdisciplinary language science background that makes them attractive for a variety of careers, including teaching, language technology industry positions, teaching English as a second language abroad, interpreting and translation, technical writing, language consulting for legal firms and medical practices, and advertising, among many others.

This foundation in formal and applied language science also prepares graduates for graduate and professional programs in any of the areas related to languages science, including speech-language pathology, linguistics, cognitive science, cognitive neuroscience, developmental psychology, natural language processing, and education.

All students must meet the University Requirements (http://catalogue.uci.edu/informationforadmittedstudents/ requirementsforabachelorsdegree/).

All students must meet the School Requirements (http://catalogue.uci.edu/schoolofsocialsciences/#schoolrequirementstext).

Core	
A. Complete the following:	
LSCI 3	Introduction to Linguistics
LSCI 10	Introduction to Phonology
LSCI 20	Introduction to Syntax
LSCI 43	Introduction to Symbolic Logic
LSCI 51	Acquisition of Language
B. Select one of the following two tracks:	
1. Depth track - select two courses from the following:	
LSCI 164A	Topics in Romance Languages
LSCI 164B	French Phonetics
LSCI 165B	Structure of Japanese
LSCI 172	History of English
SPANISH 113A	Spanish Phonetics
SPANISH 113B	Introduction to Spanish Linguistics
LSCI 102	Formal Languages and Automata
LSCI 145A	Introduction to Set Theory and Mathematical Reasoning
LSCI 145B	Metalogic
Any "3-level" non-English language course or any advanced level non-English language course. [1, 2]	
2. Breadth track - complete the following:	
Two non-English language courses at the 1C level.	
Additional Core	
C. Select five courses from any linguistics course that is not listed in section A, B, or D, including the courses below. At least three courses must be upper-division:	
LSCI 1	Languages of the World
LSCI 2	Discovering Language
LSCI 68	Introduction to Language and Culture
LSCI 106	Topics in Logic
LSCI 111	Intermediate Phonology
LSCI 115	Introduction to Phonetics
LSCI 121	Intermediate Syntax
LSCI 143	Introduction to Formal Semantics
LSCI 145C	Undecidability and Incompleteness

LSCI 158	Language and the Brain
LSCI 168J	Improvisation, Language, and Culture
LSCI 168S	Language and Social Cognition
A 199 course affiliated with the Language Science Program, or a research course, with a minimum 4 unit enrollment requirement. [3]	
Specializations	
D. Select four courses from the following. Courses must come from at least two of the categories listed below:	
I. Theoretical	
LSCI 119	Special Topics in Phonetics/Phonology
LSCI 124	Current Topics in Syntactic Theory
LSCI 129	Special Topics in Syntax
LSCI 141	Topics in Philosophy of Language
LSCI 149	Special Topics in Semantics
LSCI 176	Introduction to Pidgins and Creoles
SPANISH 187	Selected Topics in Spanish Linguistics
II. Behavioral and Neuroscientific	
LSCI 151	Acquisition of Language II
LSCI 151B	Bilingual Acquisition
LSCI 151S	Second Language Acquisition
LSCI 159	Special Topics in Psycholinguistics
LSCI 165L	Language Change, Acquisition, and Complexity
LSCI 175	Language Origins: Evolution, Genetics, and the Brain
III. Computational	
LSCI 107M	Computational Methods for Language Research
LSCI 109	Special Topics in Computational Linguistics
COMPSCI 142A	Compilers and Interpreters
COMPSCI 142B	Language Processor Construction
COMPSCI 171	Introduction to Artificial Intelligence
COMPSCI 177	Applications of Probability in Computer Science
IV. Applied	
PSYCH 131B	Hearing
PSYCH 161H	Hearing and the Brain
MUSIC 158A- 158B- 158C	Diction and Diction and Diction
EDUC 134	Teaching English Internationally
EDUC 151	Language and Literacy
BME 148	Microimplants
DRAMA 35	Speech for the Theatre
CHINESE 100A- 100B- 100C	Classical Chinese and Classical Chinese and Classical Chinese
JAPANSE 100A- 100B	Classical Japanese and Classical Japanese

[1]   Advanced non-English language courses are those requiring the highest level course in the relevant sequence as a prerequisite.

[2]   May be used more than once. For example, a student could use 3A and 3B to satisfy both courses in section II. In addition, if a student places out of the 3-level in a language, the the Natural/Formal language requirement is satisfied by the courses placed out of.

[3]   May be a research course, whose numbering varies by department. Individual study may count for up to two of the additional core courses if taken for multiple quarters or with multiple faculty members affiliated with Language Science.

- Language Science, Ph.D.
- Linguistics, Minor