

Professional Master's Degree in Computational Linguistics, Analytics, Search and Informatics

**Record of Progress
for the CLASIC Professional Master's Degree**

Student _____

MS matriculation date _____

<p>*If you are in the BAM program</p> <p>Semester you expect to move to MS status _____</p> <p>Semester you expect to graduate from CLASIC _____</p> <p>Semester you expect to take the Capstone course _____</p>

I. Prerequisites (treated as deficiencies if not met at matriculation)

	complete at matriculation	method of completion / date
Intro to Linguistics (or equivalent)		
Upper division statistics & probability		
3 semesters of mathematics at upper division level of calculus or above		
Considerable programming experience		

II. Courses – at least 32 hours

Required courses

Core Linguistics Courses – 2 of these 3 + any advisor approved LING class (9 credits)	semester completed
LING 5030 Phonetics	
LING 5420 Morphology & Syntax	
LING 5430 Semantics & Pragmatics	
LING	
Core Computer Science Courses – 1 course from Bin 3 and 1 course from any Bin, advisor approved (6 credits)	8 areas
BIN 1 Recommendations:	
CSCI 5454: Design and Analysis of Algorithms	

CSCI 5434 Probability for Computer Science	
CSCI	
BIN 2 Recommendations:	
CSCI 5622 Machine Learning	
CSCI 5922 Neural Networks and Deep Learning	
CSCI 5502 Data Mining	
CSCI	
BIN 3 Recommendations:	semester completed
CSCI 5535: Fundamental Concepts of Programming Languages	
CSCI 5448: Object-Oriented Analysis and Design	
CSCI 5253 Data Center Scale Computing	
Core CLASIC - 5 courses; 3 required & 2 electives (15 credits)	
CSCI/LING 5832: Natural Language Processing – required	
Choose two of the following:	
LING/CSCI 7565: Computational Phonology and Morphology	
CSCI/LING 7575: Computational Lexical Semantics	
CSCI/LING 7585: Computational Models of Discourse and Dialogue	
Two electives:	

CLASIC Capstone (2 credits)	semester completed
CSCI 5140/LING 5140: Capstone Project	

Notes/Additional courses if taken	

total hours at CU _____

Dates of advising
(with initials) _____