

LOGIC (GRADUATE CERTIFICATE)

Logic is a multifaceted subject that connects many disciplines, including mathematics, computer science, philosophy, linguistics, and other areas. The certificate facilitates advanced studies in a variety of topics, including: mathematical logic; the theory of computation; formal semantics; natural-language reasoning; vagueness, probability, and contradiction; and the application of logic and formal methods to law and cognitive science. Administered through the UConn Logic Group, which is an internationally recognized center of logic research excellence, the certificate will provide students with a broad and comprehensive background in the subject, with a specific focus on interdisciplinary applications.

Required Course

Students are required to take a one credit independent study with a Certificate Director, which includes participation in the Logic Colloquium for at least one semester.

Elective Courses

Course	Title	Credits
Select four of the following:		12
CSE 5102	Advanced Programming Languages	
CSE 5506		
LING 5410	Semantics I	
LING 5420	Semantics II	
LING 6410	Semantics Seminar	
LING 6420	Topics in Semantics	
MATH 5026	Topics in Mathematical Logic	
MATH 5260	Mathematical Logic I	
PHIL 5307	Logic	
PHIL 5344	Seminar in Philosophical Logic	
Total Credits		12

At least two of the completed courses must be from different departments. Courses not listed here may be included by approval of Certificate Directors. Total course requirement is 12 credits.