

# MATHEMATICAL LOGIC, UNDERGRADUATE CERTIFICATE

Program Code:UGCT-AS  
Cert Code: MTL

## Philosophy Department

Buckham B221  
(716) 878-5136  
[philosophy.buffalostate.edu/](https://philosophy.buffalostate.edu/) (<https://philosophy.buffalostate.edu/>)

Certificate in mathematical logic covering propositional logic, first-order logic with identity, important metamathematical results about propositional logic and first-order logic with identity, and set theory.

### Program Requirements

Code	Title	Credit Hours
<b>Required Courses (12 cr hrs)</b>		
PHI 107	INTRODUCTION TO MATHEMATICAL LOGIC	3
PHI 307	SYMBOLIC LOGIC	3
MAT 430	SET THEORY	3
MAT 431	MATHEMATICAL LOGIC	3
<b>Total Credit Hours</b>		<b>12</b>