



Newly scheduled for Fall 2024

Can satisfy UR's  
Symbolic Reasoning graduation requirement

# CMSC 101

## Minds and Machines

Students can choose one of these two schedules:

- (1) MW 9:00-10:15 am, with lab on F at 9:25 am-10:15 am
- (2) MW 1:30-2:45 pm, with lab on F at 1:55-2:45 pm

**No prerequisite. It can even help satisfy a Cognitive Science major.  
Can provide joy from your own "Aha!" problem solving.**

**Some questions we'll consider include:**

**How are computers different from the human brain?**

**What are the simple logical principles behind how computers work?**

**What are the fundamental logical laws for reasoning?**

**What are simple principles behind how ChatGPT works?**

**Why do some leading AI researchers assert that GPT must be combined with fundamental logical laws, in order for it to approach human-level intelligence?**

**What has already been proved about limitations to computers and limitations to logic?**