



ETM 505

PROMPT ENGINEERING FOR LARGE LANGUAGE MODELS

**ANNOUNCING A 1-CREDIT GRADUATE COURSE IN THE DEPARTMENT OF
ENGINEERING & TECHNOLOGY MANAGEMENT**

*****Open to all MCECS, Business School, and science graduate students*****

SUMMER 2025

This Learning Lab will introduce participants to the emerging discipline of Prompt Engineering - designing inputs that guide the behavior of Large Language Models like ChatGPT and Gemini. Participants will explore the underlying mechanics of LLMs, learn structured prompting techniques, and apply them to real-world tasks such as writing, data extraction and brainstorming. In hands-on exercises, students will experiment with advanced strategies like Chain-of-Thought prompting, prompt chaining and AI agent design, preparing them to use LLMs more effectively in both academic and professional settings. The Lab is open to all PSU graduate students, regardless of previous skills or experience - no coding skills required.

Day 1: Online 07/25/2025, 5:30 PM - 9:10 PM

Day 2: In person (FAB 10) 07/26/2025, 9:00 AM - 3:30 PM