

# FOUNDATIONS OF ARTIFICIAL INTELLIGENCE GRADUATE CREDIT CERTIFICATE PROGRAM

---

<b>Person-in-Charge</b>	Raghu Sangwan
<b>Program Code</b>	MAIFAI
<b>Campus(es)</b>	Great Valley World Campus

The Foundations of Artificial Intelligence Graduate Certificate prepares students for working as an AI Engineer who will analyze, identify, architect, design, and implement AI systems using various techniques. Students master the following skill set essential to this industry role:

- Identifying AI related problems
- Designing AI-based solutions based on machine learning, computer vision, natural language understanding, search and planning, agent systems, reinforcement, and deep learning techniques
- Identifying ethical concerns
- Specifying accountable AI
- Developing proof of concepts for AI solutions

Courses taken in the certificate program may be applied toward a master's degree in Artificial Intelligence, subject to restrictions outlined in GCAC-309 Transfer Credit (<https://gradschool.psu.edu/graduate-education-policies/gcac/gcac-300/gcac-309-transfer-credit/>). Certificate students who wish to have certificate courses applied towards a graduate degree must apply and be admitted to that degree program. Admission to the graduate degree program is a separate step and is not guaranteed.

**Effective Semester:** Spring 2024

**Expiration Semester:** Spring 2029