

AI Applications, Graduate Certificate (Silicon Valley)

As artificial intelligence and machine learning become ubiquitous across industries, workers at all levels are seeking practical knowledge about AI: its implications, limitations, and uses across various domains. The Graduate Certificate in AI Applications is designed for professionals with a broad spectrum of academic and professional expertise seeking to harness the power of AI within their respective industries. The program offers professionals a comprehensive understanding of AI fundamentals and the opportunity to learn to effectively apply AI applications to their own contexts and products. Through a blend of theoretical knowledge and practical skills development, professionals will be equipped with the tools necessary to make informed decisions about when and how to leverage AI technologies.

The curriculum offers instruction on how to leverage AI technologies responsibly, ethically, and effectively within organizations and how to advocate for the responsible use of AI and mitigate risks associated with AI deployment, while also understanding the human-centered aspects of AI development and implementation.

Students are admitted to the certificate program by the College of Engineering and will follow all policies associated with the College of Engineering.

Program Requirements

Complete all courses and requirements listed below unless otherwise indicated.

Required Courses

Code	Title	Hours
ARTG 6460	Human-Centered AI	4
CS 5047 or EECE 5644	Exploring AI Trends and Tools Introduction to Machine Learning and Pattern Recognition	4
PHIL 5110	Responsible AI	4

Experiential Course

Code	Title	Hours
IE 5640	Data Mining for Engineering Applications	4

Program Credit/GPA Requirements

16 total semester hours required

Minimum 3.000 GPA required