

APPLICATIONS OF ARTIFICIAL INTELLIGENCE IN ENGINEERING, CERTIFICATE

LEARNING OUTCOMES

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1. Exhibit conceptual understanding of AI functionality
2. Determine the suitability of an AI-based solution to an engineering problem
3. Acquire and apply knowledge of new AI capabilities and AI driven tools
4. Select and employ appropriate AI tools to support solving engineering problems
5. Recognize ethical and professional responsibilities when using AI to solve engineering problems and make informed judgments, which must consider the impact of AI in global, economic, environmental, and societal contexts
6. Communicate with a variety of audiences about use of AI in engineering
7. Demonstrate ability to use AI to solve a real world engineering problem relevant to professional field of interest and critically evaluate the reliability and robustness of the solution