

ESSENTIAL APPLICATIONS OF AI CERTIFICATE

12 Semester Credit Hours; Curriculum: 0156

This certificate is designed to provide individuals with a solid foundation in the field of applied artificial intelligence (AI) while emphasizing a no-code approach. This certificate program equips students with the knowledge and practical skills necessary to leverage AI tools and techniques for problem-solving, data-driven decision-making and ethical AI applications across diverse industries.

Code	Title	Hours
CIS 106	Foundational AI	3
CIS 112	AI Ethics	3
CIS 119	Prompt Engineering	3
CIS 212	No Code Machine Learning	3
Total Hours		12

Program Learning Outcomes

1. Identify the fundamental concepts of AI, including its history, principles and real-world applications.
2. Analyze the ethical challenges of AI, including bias mitigation and fairness in AI algorithms.
3. Create effective prompts for AI models, ensuring they provide accurate and reliable results.
4. Utilize No-Code Machine Learning tools to classify and sort data, and then train models to make valid predictions from that data.