

ARTIFICIAL INTELLIGENCE (AI) CERTIFICATE

Division: Business and Computer Information Systems

PROGRAM CODE: 1C46636

This curriculum prepares the students for a career in Artificial Intelligence, Machine and Deep Learning. The program is designed to teach students the skills to explore the principles, techniques, and applications of Artificial Intelligence. It covers topics like natural language processing and common AI techniques. Students will learn the core concepts of AI, including intelligent agents, knowledge representation, and reinforcement learning and related technologies for business applications. It introduces data analysis, methods, and modeling using a visual programming environment. text mining and sentiment analysis. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 16 units.

Code	Title	Units
Required Courses (16 units)		
<i>Listed in suggested sequence</i>		
CIS 190 C	IT & Cybersecurity Fundamentals	4
CIS 167 C	Artificial Intelligence Fundamentals	3
CIS 170 C	Introduction to Data Analytics	3
CIS 247 C	Python Programming	3
CIS 267 C	Machine and Deep Learning	3
Total Units		16

Program Student Learning Outcomes:

OUTCOME 1: Acquire the skills necessary for workforce preparation in the field of Artificial Intelligence, Machine and Deep Learning including their core knowledge domains and real-world applications by identifying problems that are suited for machine learning and deep learning to source for possible solutions by variety of learning algorithms that are applied to decision making without human interventions.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1811