

# ARTIFICIAL INTELLIGENCE (AI) READINESS 3: SECURITY, PRIVACY, AND BIAS

This certificate introduces learners to specialized applications of artificial intelligence (AI) in cybersecurity and data ethics. Students will explore how AI enhances threat detection, behavioral analysis, and digital defense, while also examining critical issues related to bias, fairness, and privacy in AI systems. Emphasizing both technical awareness and ethical responsibility, this program prepares individuals to understand the benefits and risks of AI in security-focused and data-sensitive environments.

## Program Learning Outcomes

1. Describe how artificial intelligence is used in cybersecurity operations, including threat detection, behavioral analysis, and automated response.
2. Evaluate AI systems and tools for ethical concerns related to bias, privacy, and data protection, and apply strategies to mitigate associated risks.

| Course      | Title                                                  | Hours |
|-------------|--------------------------------------------------------|-------|
| CIS C015N   | Artificial Intelligence for Cybersecurity Concepts     | 27    |
| CIS C016N   | Bias and Privacy Protection in Artificial Intelligence | 27    |
| Total Hours |                                                        | 54    |