

ARTIFICIAL INTELLIGENCE FOUNDATIONS CERTIFICATE

Division: Business and Computer Information Systems

PROGRAM CODE: 2C46147

The Artificial Intelligence Foundations Certificate is designed to provide students with a fundamental understanding of AI concepts, applications, and ethical considerations in business and industry. The focus of the program is skill-building in AI literacy, automation, data analysis, and workflow optimization. Emphasis is placed on problem-solving, critical thinking, and the responsible use of AI technologies to enhance business decision-making and operations. This certificate prepares students for entry-level roles where AI tools are integrated into marketing, management, and operational processes. This certificate requires 12 units. A grade of C or better is required in each course taken.

Code	Title	Units
Required Courses (9 units):		
BUS 108 F or BUS 255 F	Living in an Online World Introduction to Business and Data Analytics	3
BUS 256 F	Artificial Intelligence and Prompt Engineering for Business	3
CIS 201 F	Introduction to Python Programming	3
Restricted Electives (3 units):		3
BUS 271 F	Leadership and Business Ethics	3
CYBR 206 F	Ethical Hacking	3
PHIL 160 F	Introduction to Ethics	3
CIS 142 F	Database I	3
CIS 238 F	Cloud Computing Database Essentials	3
CYBR 256 F	Artificial Intelligence in Cybersecurity	3
MKT 256 F	Artificial Intelligence in Marketing	3
Total Units		12

Program Level Student Learning Outcomes

Outcome 1: Analyze the fundamental principles of artificial intelligence, including its applications, limitations, and ethical considerations in business and industry.

Outcome 2: Apply AI-powered tools and automation technologies to enhance decision-making, efficiency, and problem-solving in professional environments.

Outcome 3: Evaluate the impact of AI-driven innovations on various business functions, including marketing, management, and data analysis, while ensuring responsible and ethical AI usage.

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