ARTIFICIAL INTELLIGENCE FOUNDATIONS CERTIFICATE IN APPLIED SCIENCE

Overview

The Artificial Intelligence Foundations Certificate program has an anticipated start date of 2026FA pending State Tech System and DOE approvals.

Program Description

An AI certificate is a specialized credential that demonstrates foundational knowledge and practical skills in artificial intelligence. This AI certificate focuses on learning, such as predictive modeling, ethical AI practices, and the use of AI tools in real-world applications. This program combines theoretical learning with hands-on projects, preparing students to understand and apply AI technologies across various industries.

Mission Statement

The mission of the Artificial Intelligence Foundations certificate is to prepare graduates with the knowledge, skills, and ethical perspective needed to successfully engage with AI technologies in today's rapidly evolving digital landscape. The program provides a strong foundation in core artificial intelligence concepts, enabling students to understand how AI systems are designed, trained, and deployed. Through hands-on learning experiences, students apply AI tools, techniques, and frameworks to develop basic models and practical solutions that address real-world challenges.

Entrance Requirements

High school diploma or GED.

Type of Program

Online

Requirements for Completion

Students must receive a grade of "C" or higher in program courses, concentration courses, corequisites, and prerequisites in order to be eligible for graduation.

Employment Opportunities

Graduating with an AI certificate opens doors to diverse career opportunities in both technical and non-technical fields. Students can pursue roles such as AI project coordinator or business analyst in industries like healthcare, finance, manufacturing, and technology. Additionally, the certificate can enhance employability for positions that require AI literacy, such as marketing analytics, operations optimization, and product development.

Visit our web page at https://www.gvltec.edu/computertechnology/

Recommended Program Schedule

Listed below is a recommended sequence of courses. This plan is intended to be flexible and may be completed on a less-than-full-time basis, including three-quarter-time or half-time enrollment, to accommodate working professionals. Course availability and individual circumstances may affect scheduling, and not all courses are offered every semester. Students are encouraged to consult with an advisor to develop a personalized plan of study.

First Semester		Hours
COL 111	E-Learning Success	1
CPT 123	Introduction to Artificial Intelligence	3
CPT 131	Ethical AI: Navigating the Future	3
	Total Semester Hours	**7**
Second Semester		
CPT 128	Practical AI Tools and Techniques	3
CPT 130	AI in Everyday Life and Industry	3
AI Foundations Elective Option [1]		3
	Total Semester Hours	**9**
	Total Required Credit Hours	**16**

[1] AI Foundations Elective Options:
- CPT 170 Computer Applications I
- CPT 257 Operating Systems
- MAT 103 Quantitative Reasoning
- MAT 109 College Algebra With Modeling
- MAT 120 Probability and Statistics
- PHI 110 Ethics