ARTIFICIAL INTELLIGENCE FOR DATA SYSTEMS CERTIFICATE IN APPLIED SCIENCE

Overview

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

Program Description

The embedded **Artificial Intelligence for Data Systems Certificate** equips students with foundational skills needed to work with data-driven systems that incorporate artificial intelligence. The certificate focuses on Python programming, database technologies, data preparation, applied analytics, and AI-enabled tools used to analyze data and support decision-making. Students gain hands-on experience working with data systems and AI-supported applications, preparing them for entry-level roles that support data analytics and enterprise systems, or for continued study within the Artificial Intelligence for Data Systems associate degree concentration.

Mission Statement

The mission of the Artificial Intelligence for Data Systems Certificate is to prepare students with the technical skills and practical understanding needed to support data-driven systems enhanced by artificial intelligence. The program emphasizes applied Python programming, database technologies, data preparation, analytics, and AI-enabled tools used in modern enterprise environments. Graduates are equipped to support data analysis, system administration, and AI-informed decision-making, while building a strong foundation for entry-level data systems roles or for continued study in the Artificial Intelligence for Data Systems associate degree concentration.

Entrance Requirements

High school diploma or GED.

Type of Program

Day, Evening, and 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.

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Recommened 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.

Preferred Sequence

First Semester		Hours
CPT 113	Information Systems	3
CPT 123	Introduction to Artificial Intelligence	3
CPT 257	Operating Systems	3
	Total Semester Hours	**9**
Second Semester		
CPT 127	Python Programming I	3
IST 272	Relational Database	3
CPT 128	Practical AI Tools and Techniques	3
	Total Semester Hours	**9**
Third Semester		
CPT 130	AI in Everyday Life and Industry	3
CPT 189	Data Science I	3
	Total Semester Hours	**6**
Fourth Semester		
CPT 131	Ethical AI: Navigating the Future	3
CPT 289	Data Science II	3
IST 278	Database Programming	3
	Total Semester Hours	**9**
	Total Required Credit Hours	**33**