

Computer Science - Artificial Intelligence (AI) and Data Analytics
 (CIP 11.0701)
 Level I Certificate

The Computer Science - Artificial Intelligence (AI) and Data Analytics Level I Certificate is designed to prepare students for careers in the high-demand and rapidly growing fields of AI and data analytics, including understanding the practices and processes of data cleaning, analysis, and visualization. This preparation equips students with both technical skills and business insight to solve real-world problems, enabling them to describe various data management systems, discuss the fundamental ideas and practices of data governance, and identify the types, uses, structures, and characteristics of data, as well as navigate ethical concerns related to AI.

Courses	
Semester I	Hours
ITAI 1370 Artificial Intelligence (AI) History, Theory, and Platforms	3
ITSY 1300 Fundamentals of Information Security	3
ITNW 1309 Fundamentals of Cloud Computing	3
Semester 1 Hours	9
Semester II	
DSAI 1371 Introduction to Data Science and Artificial Intelligence (AI)	3
DATN 1377 Cloud Computing for Data Analytics (Capstone Course)	3
Semester 2 Hours	6
Semester III	
Semester 3 Hours	
Semester IV	
Semester 4 Hours	
15 Semester Credit Hours	