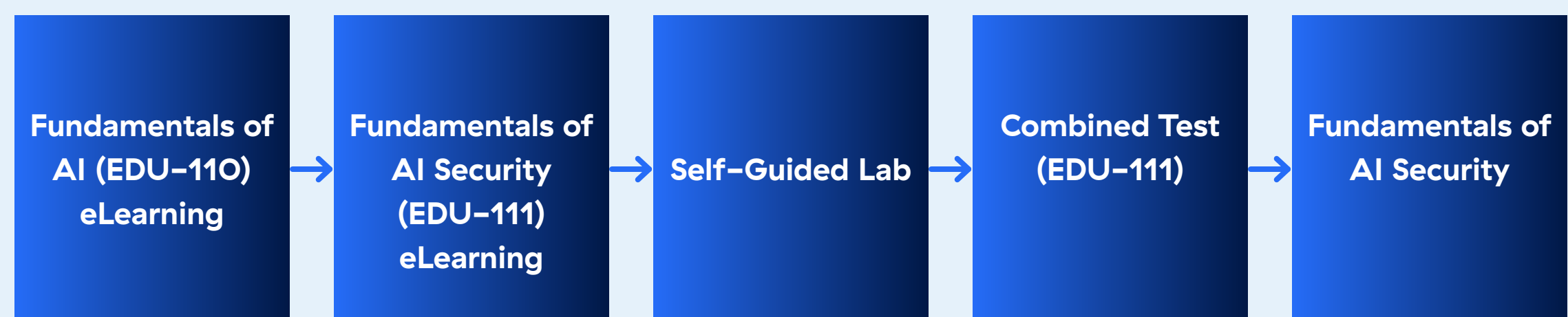


EDU-110 Learning Journey Map

The recommended path for Fundamentals of AI (EDU-110) is to complete this eLearning course, then continue to Fundamentals of AI Security (EDU-111). Once both courses are complete, work through the self-guided lab to apply what you have learned. You can then take the combined test in EDU-111, which covers content from both courses. Upon passing, you will earn a completion certificate.

AI SECURITY LEARNING STREAM



[→ Download Fundamentals of AI \(EDU-110\) Data Sheet](#)

LEARNING OUTCOMES

Once you complete this course, you will be able to:

- Explain the foundational concepts of Artificial Intelligence (AI), Machine Learning (ML), and Generative AI
- Describe how Large Language Models process and generate language
- Recognize the key technologies and capabilities that expand what AI systems can do
- Explain how Agentic AI systems perceive, reason, and act



eLearning Details

Prerequisites	None
Proficiency	Foundational
Description	In this course, you will explore how modern AI systems work. You will learn how Large Language Models generate language, how technologies like RAG and MCP extend AI capabilities, and how Agentic AI systems plan and act autonomously.
Duration	55 Minutes
Type	Self-Paced
Completion Criteria	Complete the eLearning
Available Language(s)	English
Price per Set	Free

eLearning Outline

Topics	Sub Topics
AI Foundations and Evolution	- What is Artificial Intelligence (AI) and how did it evolve? - AI Types - Common Applications
From Machine Learning to Generative AI	- Traditional Programming vs. Machine Learning - How Machine Learning Models Are Trained - Public Cloud AI Ecosystems
How LLMs Work	- What is a Transformer? - How LLMs Work: The Prediction Engine - LLM Limitations: Why Intelligence Alone Is Not Enough
SLMs, RAG, MCP, and Computer Vision	- Enabler 1: Giving AI a Memory with RAG - Enabler 2: Giving AI Hands with MCP - Enabler 3: Giving AI Eyes with Computer Vision - CV in Security: Defense and Threat
Agentic AI	- The Autonomous AI Agent - AI Agents in Action - Agent-to-Agent Protocol (A2A)