EC-Council
Building A Culture Of Security

AI|E
Artificial Intelligence | Essentials

ARTIFICIAL INTELLIGENCE ESSENTIALS

The foundational credential for understanding and using AI responsibly in the real world.

Build job-ready skills to understand AI, engage with AI tools, and make informed, ethical decisions.

AI Adoption Is Surging, But
AI Literacy Is Failing to Keep Pace

Artificial intelligence is no longer a future trend. It is already embedded in business operations, education, and the global workforce. Yet its rapid spread has outpaced foundational understanding and skills needed to use it effectively, ethically, and responsibly.

86%

of companies expect AI to transform their business by 2030.

88%

of companies report regular AI use in at least one business function.

Sources: World Economic Forum; McKinsey & Company, "The State of AI: Global Survey 2025."
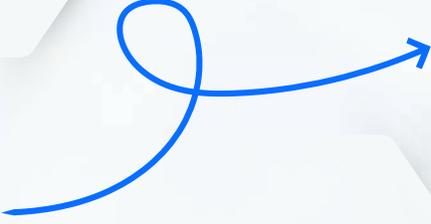
The AI *Literacy Gap*

Most professionals interact with AI **without clarity, understanding, or awareness of the risks.**

Only
33%
of workers have received formal AI training, despite 74% using AI regularly at work.

55%
of employees using AI at work have no training on its security and privacy risks.

Up to
700,000
U.S. workers will need AI reskilling by 2027.

Sources: Lifewire; Forbes; Bain & Company

AI is everywhere but most people **don't know how it works, how it fails, or how to use it responsibly.**

The Reality:

- AI tools are widely available but often misused

- Outputs are accepted without evaluation

- Ethical and privacy considerations are frequently overlooked

Introducing Artificial Intelligence Essentials AI|E

Artificial Intelligence | Essentials

Artificial Intelligence Essentials (AI|E) is EC-Council's foundational AI literacy certification. It equips professionals and students with a practical understanding of how AI works, how it is used, and how to engage with it responsibly in real-world environments.

AI|E prepares you to:

- Understand how AI systems behave, generate outputs, and where they can fail
- Critically evaluate AI outputs for quality, accuracy, and ethical alignment
- Use AI tools effectively in real-world workflows
- Apply responsible AI practices aligned with ethical, privacy, and regulatory standards
- Build confidence to make informed AI-driven decisions across business, academic, and personal contexts
- Built hands-on skills across 23 labs in AI tools, prompt engineering, automation, ethics, privacy, and deepfake detection.

This credential closes the critical gap between AI use and AI understanding, responsibility, and judgment.

Essential Skills You Will Gain with AI|E
Artificial Intelligence | Essentials

Understand AI Fundamentals

- Explain how AI systems generate outputs and learn from data

- Differentiate between AI, Generative AI, LLMs, and traditional software systems

- Recognize AI limitations and points of failure

Apply Responsible AI Practices

- Identify bias, hallucinations, and ethical concerns in AI outputs

- Apply privacy, governance, and ethical standards in AI usage

- Make informed decisions based on AI outputs, not blind trust

Use AI Tools Effectively

- Structure prompts for clear, accurate, and useful responses

- Operate leading AI tools for text, image, audio, and automation tasks

- Integrate AI outputs into workflows responsibly

Prepare for Advanced AI Learning

- Build foundational knowledge for AI, ML, or Generative AI certifications

- Develop confidence for professional or academic AI applications

How *Essential AI Skills* Drive Professional and Organizational Impact

For professionals

- Gain foundational knowledge that accelerates future AI learning

- Engage with AI responsibly, avoiding misuse or misinterpretation

- Evaluate AI outputs with confidence for business or personal decisions

For organizations

- Establish baseline AI literacy across roles and departments

- Improve understanding of AI capabilities, risks, and ethical usage

- Reduce errors, bias, and misinformed decisions from AI tools

Who AI E Is Designed For

Students and Early Learners

- Build AI literacy and foundational knowledge before advanced technical AI tracks

IT Professionals and Engineers

- Gain AI understanding to complement technical expertise or transition to AI-focused work

Entrepreneurs and Decision-Makers

- Use AI responsibly to support innovation, strategy, and operational decisions

Analysts and Project and Operations Managers

- Learn how AI can support planning, analysis, and decision-making in everyday workflows

Non-IT Working Professionals

- Acquire practical AI skills for business, operations, marketing, healthcare, or finance

Educators and Trainers

- Integrate AI literacy into teaching and professional development

AI Enthusiasts

- Develop AI confidence for everyday life and career applications

HR, L&D, and People Professionals

- Understand AI concepts and tools relevant to workforce planning, learning, and people operations

Artificial Intelligence Essentials AIE *Modules*

Module 01
Introduction to Artificial Intelligence

- Understand AI evolution, milestones, and future directions
- Explore the collaboration between humans and AI
- Recognize data, algorithms, and models as the foundation of AI systems

Module 02
Everyday AI Tools and Use Cases

- Identify AI tools in daily life and the workplace
- Explore AI applications in manufacturing, transportation, education, and security
- Understand how AI improves productivity and decision-making

Module 03
Building Blocks of AI

- Understand AI models, ML, neural networks, NLP, and Generative AI (LLMs)
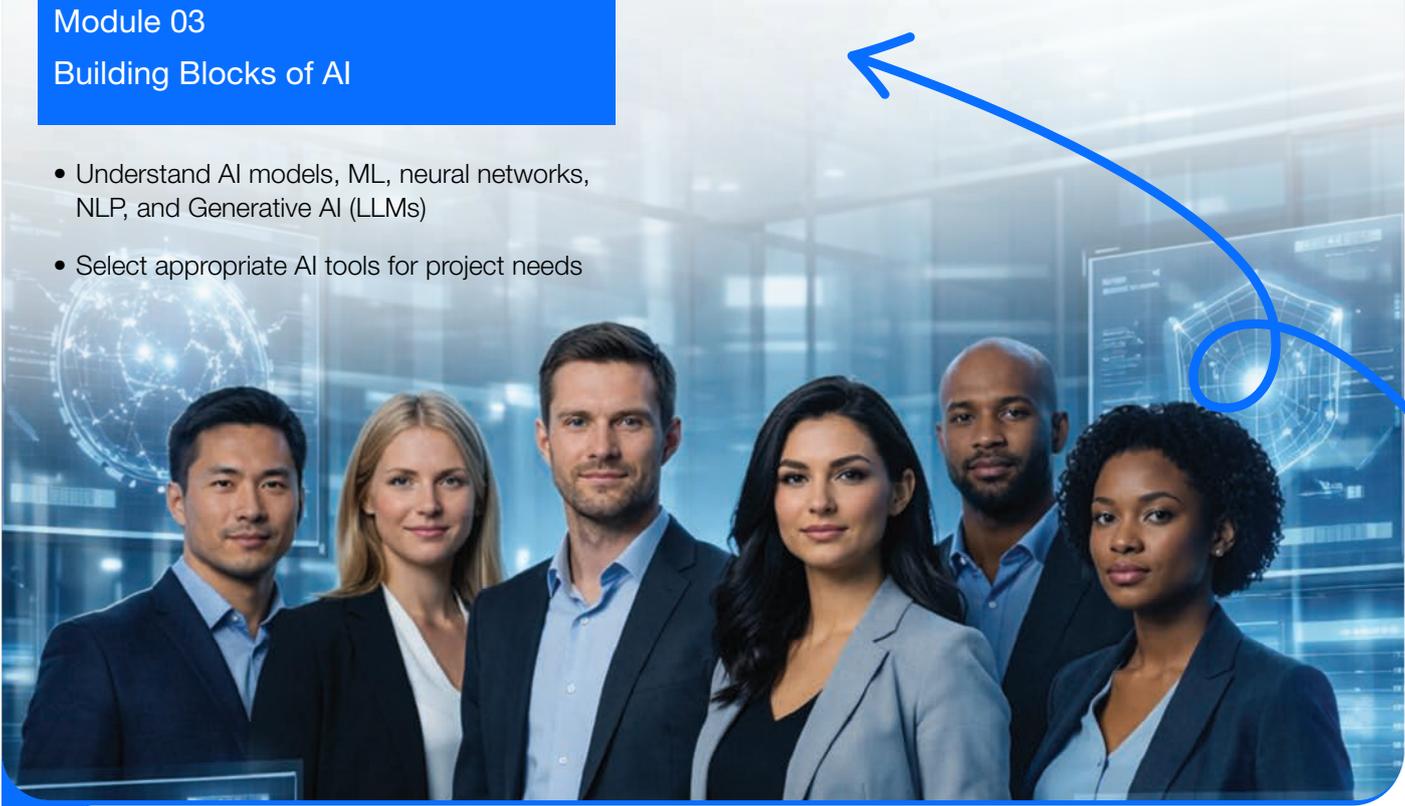- Select appropriate AI tools for project needs

Module 04
Prompt Crafting for AI-Driven Interactions

- Learn prompt engineering principles
- Structure effective prompts to generate accurate and useful AI outputs

Module 05
AI Ethics and Responsible AI

- Identify societal, ethical, and security concerns
- Apply governance, responsible practices, and global standards

Artificial Intelligence Essentials AI|E
Training and Exam Overview

Training

Title of the Course: Artificial Intelligence Essentials (AI|E)

Version: 1

Duration: 2 days (16 Hours)

Number of Modules: 5 Modules

Delivery Mode:

- **Instructor-led Training (ILT)**
  In-person training where you can collaborate with your peers.

- **iLearn (Asynchronous Online Learning)**
  An asynchronous, self-study experience in a video-streaming format.

- **iWeek (Synchronous Online Learning)**
  A live, online course led by an instructor.

Exam

Exam Title: Artificial Intelligence Essentials (AI|E) v1

Exam Code: 112-59

Number of Questions: 75

Duration: 2 hours

Availability: ECC Exam Portal

Passing Score: Please refer to https://cert.eccouncil.org/faq.html

Test Format: Multiple Choice Questions (MCQs)

Artificial Intelligence Essentials AI|E

Build AI literacy. Use AI responsibly.
Be AI-confident.

About EC-Council

EC-Council's mission is to build and redefine the cybersecurity profession globally

through education, certification, and workforce development, with an expanded focus on **AI-enabled and AI-secure enterprises**.

Through industry-recognized certifications and training, EC-Council prepares professionals to address challenges across **cybersecurity, AI governance, and the secure adoption of AI technologies**. Its certification portfolio includes programs such as Certified Ethical Hacker (C|EH AI), Certified Penetration Testing Professional (C|PENT AI), Computer Hacking Forensic Investigator (C|HFI), Certified Network Defender (C|ND), Certified SOC Analyst (C|SA), Certified Threat Intelligence Analyst (C|TIA), Certified Incident Handler (E|CIH), and the Certified Chief Information Security Officer (C|CISO).

EC-Council also provides cybersecurity services to some of the largest businesses globally. Trusted by 7 of the Fortune 10, 47 of the Fortune 100, the U.S. Department of Defense (DoD), the intelligence community, NATO, and more than 2,000 universities, colleges, and training companies, with certified professionals in more than 140 countries.

EC-Council is an ANAB ISO/IEC 17024-accredited organization and has recognition under **DoD Directive 8140/8570**, as well as recognition in the U.K. by **GCHQ** and other bodies.

Founded in 2001, EC-Council employs more than 400 individuals worldwide and operates 10 global offices in the U.S., U.K., Malaysia, Singapore, India, and Indonesia, including U.S. offices in Albuquerque, New Mexico, and Tampa, Florida.

Learn more at eccouncil.org.