CompTIA AI Essentials (Self-Paced e-learning)

Duration: approximately 6 hours of instructional content

COURSE DESCRIPTION

Embark on your journey into the world of artificial intelligence with CompTIA AI Essentials, a beginner-friendly, self-paced course crafted to help IT professionals early in their careers and tech-adjacent learners build a solid foundation in AI. This course simplifies AI concepts and equips you with practical skills to enhance efficiency, foster innovation, and understand the legal and ethical use of generative AI. With no prior experience required, this course is an ideal first step to integrating AI into your career.

COURSE OBJECTIVE

Gain foundational knowledge of artificial intelligence and its applications with CompTIA AI Essentials. This course helps you understand AI concepts, tools, and ethical considerations, preparing you to navigate AI-driven environments confidently.

- Focus areas: foundational AI skills, including generative AI, prompt engineering, ethical considerations, and future trends
- Skill-building resources: hands-on activities, instant feedback on assessments, and performance reports to track your progress
- Recommended experience: no prior experience required—designed for beginners
- CompCert assessment: prove your mastery of key concepts and earn a downloadable Competency Certificate at the end of the course to showcase your achievement
- Outcome: confidence and knowledge to apply AI concepts in your career and explore advanced AI technologies

COURSE OUTLINE

- AI unveiled: Explore what AI is, how it has evolved, and the types transforming industries today. Learn essential skills and mindsets to work effectively with AI while ensuring ethical and efficient use.
- Generative AI frontiers: Discover how generative AI creates text, audio, and images, revolutionizing content creation. Learn to choose the right tools for your projects and apply generative AI in real-world scenarios.
- Engineering effective prompts: Understand the importance of prompt engineering in interacting with AI systems. Gain practical tips for crafting effective prompts and avoiding common pitfalls.
- Balancing innovation and privacy: Learn strategies to mitigate cybersecurity risks posed by AI. Explore privacy laws, ethical considerations, and intellectual property rights for AI-generated content.
- Human-AI collaboration: Discover how AI can enhance creativity and productivity. Learn strategies for effective collaboration between humans and AI and how to communicate AI concepts with your team.
- Future trends and innovations: Stay ahead with insights into emerging AI trends and innovations. Explore potential breakthroughs, challenges like job displacement, and opportunities for reskilling in an AI-driven world.

WHO SHOULD ATTEND

This course is ideal for early IT professionals and tech-adjacent learners who want to build foundational AI skills. It's also suitable for students, career changers, and anyone interested in exploring AI concepts.