



CompTIA AI Prompting Essentials Course Outline



ERIC REED

CYBERSECURITY TRAINING

PASS ON THE FIRST ATTEMPT!™



COMPANY OVERVIEW

For over 25 years, Eric Reed Cybersecurity Training has been a trusted leader in cybersecurity education, equipping more than 60,000 professionals with the skills needed to defend against emerging cyber threats. Our mission is to empower individuals and organizations with comprehensive, hands-on training that translates directly to real-world success. Recognized with multiple industry awards—including an unprecedented 10-time EC Council Instructor of the Year and 7-time Circle of Excellence honoree—we combine innovative delivery methods with a passion for excellence to ensure our students achieve certification success on the first attempt



COMPTIA AI PROMPTING ESSENTIALS

CompTIA AI Prompting Essentials is an entry-level certification focused on teaching individuals how to effectively interact with AI systems using prompts. It emphasizes practical skills for communicating with generative AI tools such as ChatGPT, image generators, and other AI-powered platforms.

The certification is designed for professionals across industries who want to improve productivity, decision-making, and creativity by leveraging AI through well-structured prompts.



ONLINE LIVE LEARNING



ON-DEMAND LIVE LEARNING

ONLINE LIVE & ON-DEMAND LIVE

All the benefits of live, instructor-led training with the convenience of on-demand.

- **Online Live:** Attend our scheduled sessions in real time (Monday–Friday). Get immediate interaction with the instructor and fellow students.
- **On-Demand Live:** Access recordings of the most recent live sessions on your own schedule, while still having direct instructor support.
- **Flexible Scheduling:** Choose a structured approach—one-week bootcamp (M–F), two nights a week for five weeks, or every Saturday for five weeks. Need more wiggle room? Adjust any schedule to fit your lifestyle!



COURSE OBJECTIVES

- Understand how generative AI models interpret prompts
- Write clear, effective, and goal-oriented prompts
- Use different prompting techniques (zero-shot, few-shot, chain-of-thought)
- Refine and iterate prompts for better outputs
- Identify limitations and risks of AI-generated responses
- Apply prompting strategies across business, technical, and creative tasks
- Evaluate AI outputs for accuracy, bias, and relevance



SALARY RANGE

AI+ → \$60K-\$110K

These figures are approximate and depend on location, experience, and job role. Higher salaries are usually seen in major tech hubs and with significant experience.



JOB ROLES

- Prompt Engineer (Junior)
- AI Content Creator
- AI-enabled Marketing Specialist
- Business Analyst using AI tools
- Customer Support Specialist using AI assistants
- Technical Writer leveraging AI
- Operations or Productivity Specialist



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COMPTIA AI PROMPTING ESSENTIALS OVERVIEW



1. Introduction to AI Prompting

- What is prompting?
- How generative AI works at a high level
- Role of prompts in AI outputs



2. Prompt Structure Fundamentals

- Instructions, context, and constraints
- Role-based prompting ("Act as...")
- Output formatting techniques



3. Prompting Techniques

- Zero-shot prompting
- Few-shot prompting
- Chain-of-thought prompting
- Iterative prompting



4. Improving Prompt Quality

- Clarity and specificity
- Reducing ambiguity
- Controlling tone and style



5. Use Cases for Prompting

- Content creation (blogs, emails, scripts)
- Data analysis and summaries
- Coding assistance
- Business workflows and automation



6. Evaluating AI Outputs

- Accuracy and hallucinations
- Bias and fairness
- Relevance and completeness



7. Risks and Limitations

- Overreliance on AI
- Data privacy concerns
- Misuse of AI-generated content



8. Responsible AI Prompting

- Ethical considerations
- Transparency and disclosure
- Safe and compliant usage



9. Advanced Prompting Concepts

- Multi-step workflows
- Prompt chaining
- Using system and role instructions



10. Future of AI Interaction

- Evolving tools and interfaces
- Role of prompting in the workforce
- Career pathways and skill development



"It's was a great class that covered all aspects of security. Most importantly, I appreciate the fact that you are giving up your own time to assist us and maintain a sharedrive with the latest security tools and informative papers even after the class is over. I was able to pass the test after one week of attending the training."

-Shadi Ehalabi