

Applied Government AI Bootcamp

This bootcamp introduces government workers to AI fundamentals, including machine learning, deep learning, and large language models, focusing on enhancing productivity, decision-making, and problem-solving. Participants will gain hands-on experience with AI tools, data literacy, and prompt engineering, while addressing ethical, legal, and regulatory considerations. Optional tracks are available in AI for project management, federal HR classification, and auditing.

Group classes in Live Online and onsite training is available for this course. For more information, email onsite@graduateschool.edu or visit: <https://www.graduateschool.edu/courses/applied-government-ai-bootcamp>



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Course Outline

This package includes these courses

- AI Fundamentals for Government Employees Course (4 hours)
- AI & Data Literacy for the Government Workforce Course (4 hours)
- AI Prompt Engineering for the Government Workforce (4 hours)

Choose between one of these courses to supplement your learning experience. Choose your date after you register for the program.

- AI for Project Management Course
- AI for Federal HR Classification Course
- AI Applications and Challenges for Auditors Course

AI Fundamentals for Government Employees Course

This course is designed to introduce government workers to the world of Artificial Intelligence (AI). This course provides foundational knowledge of AI technologies like machine learning, deep learning, and large language models, and understand how AI can be used to enhance productivity, decision-making, and problem-solving. Participants will gain a clear understanding of how AI can enhance efficiency, decision-making, and productivity while also addressing the ethical, legal, and regulatory aspects of AI use.

- Define artificial intelligence (AI) and understand its key terminology.
- Explain the architecture of AI systems, focusing on language models and neural networks.
- Engage in meaningful conversations with AI to get the output you need.
- Understand how AI can be applied in government-related tasks, such as data analysis, decision-making, and policy research.

- Evaluate the potential implications of AI technologies on privacy and data security, especially concerning sensitive government data.

AI & Data Literacy for the Government Workforce Course

Through practical examples and hands-on activities, participants will learn core concepts, common terms, and best practices for working with AI tools and interpreting data. The course emphasizes real-world applications in the government context and provides actionable strategies to boost digital confidence, support informed decision-making, and foster a data-savvy culture across the workforce.

- Define basic concepts and terminology related to artificial intelligence and data
- Recognize how AI and data are used in government agency programs and operations
- Interpret simple data visualizations and AI outputs relevant to their roles
- Identify common risks and ethical considerations with AI and data use
- Apply foundational practices to improve data literacy and support responsible use of AI tools

AI Prompt Engineering for the Government Workforce

As AI tools become more common in government environments, knowing how to communicate clearly and responsibly with AI systems is an essential skill. This course equips participants with foundational prompt engineering techniques that help improve productivity, enhance clarity, and reduce risk when using AI to support government work.