COURSE SYLLABUS

AI for Federal Payments and Improper Payment Prevention Course (Self-Paced)

Strengthen federal payment integrity, improper payment detection, and disbursement processes using AI tools while maintaining compliance with the Payment Integrity Information Act and safeguarding sensitive financial data.

> Group classes (Live Online) and onsite training are available for this course. For more information, email onsite@graduateschool.edu or visit: https://www.graduateschool.edu/courses/ai-for-federal-payments-and-improper-payment-prevention-course-self-paced



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Course Outline

Module 1: AI Fundamentals for Payment Professionals

- How AI language models work and their application to payment processing
- Responsible AI use with payment data, vendor information, and PII
- Protecting sensitive financial data, bank account details, and taxpayer information
- Recognizing AI hallucinations in payment analysis and compliance contexts

Module 2: AI for Payment Processing and Vendor Management

- Using AI to analyze invoice data and identify discrepancies
- Vendor validation and duplicate detection with AI tools
- AI-assisted analysis of payment terms, discounts, and scheduling optimization
- Researching Treasury payment regulations and guidance with AI support

Module 3: AI for Improper Payment Prevention and Recovery

- Applying AI to root cause analysis of improper payment trends
- Using AI for PIIA compliance analysis and corrective action planning
- Do Not Pay integration analysis and deceased payee identification with AI tools
- Payment recapture and recovery audit support with AI assistance

Module 4: Hands-On Workshop

- Participants apply AI tools to realistic federal payment scenarios
- Practice prompt engineering for payment analysis and fraud detection queries
- Cross-check AI outputs against Treasury guidance and agency payment policies
- Group exercise: Using AI to build an improper payment risk assessment