COURSE SYLLABUS

AI for Federal Payments and Improper Payment Prevention Course

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



support@graduateschool.edu •
(888) 744-4723

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