COURSE SYLLABUS

FAC-P/PM IT Core-Plus Certificate Program

Lead federal IT initiatives, from Agile and modular acquisition through governance, performance measurement, and secure architecture.

> 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/certificates/fac-p-pm-it-core-plus-certificate-program



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Course Outline

This package includes these courses

- FPM 511: Managing IT Projects Course (32 Hours)
- FPM 512: IT Management, Security, and Performance Assurance Course (32 Hours)
- FPM 513: IT Infrastructure and Architectural Design Course (32 Hours)

AI Governance & Oversight Course

FPM 511: Managing IT Projects Course

This course is designed to help federal program and project managers effectively manage IT projects and programs within the federal acquisition environment. Through expert-led instruction and applied learning, participants gain the skills to align technology investments with agency missions, apply Agile and modular acquisition strategies, and manage IT initiatives that balance innovation, accountability, and mission impact.

- Understanding the federal IT acquisition environment and how it supports mission delivery and modernization goals.
- Applying modular and Agile acquisition strategies to improve IT project performance and adaptability.
- Integrating systems engineering and process re-engineering to enhance IT project outcomes.
- Developing performance measures to assess IT investment success and organizational impact.
- Identifying and managing IT-related risks throughout the project life cycle.
- Ensuring compliance with key federal IT mandates, including the Clinger-Cohen Act and FITARA.
- Leading and evaluating IT projects that drive efficiency, innovation, and mission success.

FPM 512: IT Management, Security, and Performance Assurance Course

This course is designed to help federal program and project managers develop advanced skills to lead secure, high-performing IT initiatives. Through expert-led instruction and real-world case studies, participants learn to manage cybersecurity risks,

modernize IT systems, and apply data-driven strategies that enhance service delivery and mission success.

- Identifying and mitigating cybersecurity risks to strengthen IT project resilience and data protection.
- Applying cost-effective strategies that balance innovation, performance, and compliance requirements.
- Implementing federal IT modernization initiatives that improve efficiency and user experience.
- Developing strategies for updating legacy systems and integrating cloud-based solutions.
- Managing vendor relationships and performance through service-level agreements (SLAs).
- Using data analytics and modern IT management techniques to guide decision making and improve outcomes.

FPM 513: IT Infrastructure and Architectural Design Course

This course is designed to help federal program and project managers gain the expertise to design and manage complex IT architectures that align with agency missions and modernization goals. Through expert-led instruction and applied exercises, participants learn to apply enterprise architecture principles, strengthen cybersecurity integration, and develop secure, scalable, and compliant IT systems that drive mission success.

- Exploring enterprise architecture frameworks and methodologies to create effective IT roadmaps and modernization plans.
- Integrating Agile practices into IT planning, design, and execution.
- Designing efficient, scalable, and interoperable IT infrastructure solutions that enhance organizational performance.
- Embedding cybersecurity principles and compliance into IT architecture and decision making.
- Selecting and implementing appropriate security controls and developing system security plans.
- Navigating the federal assessment and authorization process using frameworks such as FISMA, Cloud Smart, and the NIST Cybersecurity Framework.
- Building resilient IT systems that meet both operational and strategic federal requirements.