

FPM 513 - FAC-P/PM-IT Core-Plus: IT Infrastructure and Architectural Design

Course Number: 6020

Length: 4 Days

Primary Delivery Method: Instructor-led live classroom

Alternative Delivery Methods: Instructor-led online (synchronous)

Course Description

Address the specialized knowledge and abilities unique to IT project areas through this course focused on the FAC-P/PM IT Core-Plus specialization program. You will focus on technical performance outcomes and satisfy competencies related to IT Infrastructure & Architectural Design. Learn these skills and techniques through robust content, Federal examples, and hands-on exercises.

Intended Audience

This course is designed for IT project managers who have completed their FAC-P/PM certification at the Mid-Level and must obtain the FAC-P/PM IT Core Plus Specialization.

The purpose of this class is to know what is out there. IT architecture is heavily regulated by OMB, and it is important for IT project managers to understand how government systems are built.

Course Learning Objectives

- Describe the principles, concepts, and methods of enterprise architecture to align IT strategy, plans, and systems with the mission, goals, structure, and processes of the organization
- Employ architectural methodologies in the design and development of information systems, including the physical structure of a system's internal operations and interactions with other systems
- Describe the architecture and typology of software, hardware, and networks, including LANS, WANS, and telecommunications systems, their components and associated protocols and standards, and how they operate and integrate with one another and with associated controlling software
- Apply methods and procedures to protect information systems and data by ensuring their availability, authentication, confidentiality, and integrity
- Demonstrate methods to select tools and procedures, including development of information security plans, to prevent information systems vulnerabilities and provide or restore security of information systems and network services
- Implement principles, methods, and tools for evaluating information systems security features against a set of specified security requirements, which includes developing certification and accreditation plans and procedures, documenting deficiencies, reporting corrective actions, and recommending changes to improve the security of information systems
- Determine the principles and methods for planning or managing the implementation, update, or integration of information systems components
- Establish procedures to ensure production or delivery of products and services, including tools and mechanisms for distributing new or enhanced software

Course Additional Features

FPM 513 - FAC-P/PM-IT Core-Plus: IT Infrastructure and Architectural Design

- Producer Support
- Technical Support Team
- Extended Learning Bursts
- Dedicated In-House Accessibility/Section 508 Compliance
- Student Resource Guides

All details about the Additional Features are available on this page. [Click here to Explore](#)

Course Schedule

DAY ONE	
MORNING	Course Introduction Lesson 1: Introduction to IT Infrastructure and Architectural Design Lesson 2: Enterprise Architecture
LUNCH	
AFTERNOON	Lesson 2, <i>continued</i> Lesson 3: Information Technology Architecture

DAY TWO	
MORNING	Lesson 4: Infrastructure Design
LUNCH	
AFTERNOON	Lesson 4, <i>continued</i> Lesson 5: Information Assurance

DAY THREE	
MORNING	Lesson 5, <i>continued</i> Lesson 6: Information Systems and Network Security
LUNCH	
AFTERNOON	Lesson 6, <i>continued</i> Lesson 7: Information Systems Security Certification

DAY FOUR	
MORNING	Lesson 7, <i>continued</i> Lesson 8: Configuration Management

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LUNCH	
AFTERNOON	Lesson 8, <i>continued</i> Lesson 9: IT Operations Support Final Exam

Learning Methods

Presentation, class discussions, practical activities, and group and individual exercises

Credits

National Association of State Boards of Accountancy (NASBA)

- Field of Study: Management Services
- Level: Intermediate
- CPEs: 32

Professional Development Units (PDUs)

- Credits: 28

Continuous Learning Points (CLPs)

- Credits: 32

Third-Party Certification Relationship

Federal Acquisition Certification for Program and Project Managers (FAC-P/PM)

Prerequisites

Mandatory

- Requires Mid or Senior level FAC-P/PM certification

Pework

There is no prework required for this course.

Requirements for Successful Completion

Full (100%) attendance is expected and required. Successful completion of the course depends on full class attendance and active participation in individual and group exercises.

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The final exam must be completed with a grade of 80% or higher.

Follow-On Resources

- [FPM 331 - Progressive Concepts in Program Management](#)
- [FPM 332 - Progressive Contracting Strategies for Programs](#)
- [FPM 333 - Progressive Business, Cost, and Financial Management](#)
- [FPM 334 - Progressive Leadership in Program Management](#)
- [FPM 512 - FAC-P/PM IT Core-Plus: IT Management, Security, and Performance Assurance](#)
- [FPM 511 - FAC-P/PM IT Core Plus Management Competencies: Managing IT Projects](#)

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Ready to Enroll?



See the most recent course information and scheduled classes at this link:
<https://www.managementconcepts.com/course/id/6020>



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