



FPM 513 - FAC-PPM IT Core-Plus: IT Management, Security, and Performance Assurance

Course Number: 6020

Length: 4 days

Primary Delivery Method: Instructor-led live classroom

Course Description

The course is geared toward project and program managers managing the acquisition, retention, use, and disposition of information and the enabling technologies. The *IT Management, Security, and Performance Assurance* course is part of the FAC-PPM IT Core-Plus Specialization Certification track and satisfies technical performance outcomes that are part of the 15 designated outcomes for IT Core-Plus.

Course Learning Objectives

- Describe the principles, concepts, and methods of enterprise architecture to align information technology (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. 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

Intended Audience

This course is designed for IT Project managers who have completed their FAC-PPM level 2 and must obtain the FAC-PPM IT Core-Plus Specialization.

Prerequisites

- Students must satisfy the competency requirements for FAC-PPM Level 2

Pework

There is no prework required for this course.

Course Schedule

DAY ONE	
MORNING	Lesson 1: Introduction to IT Management, Security, and Performance Assurance
	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
LUNCH	
AFTERNOON	Lesson 8, <i>continued</i>
	Lesson 9: IT Operations Support
	Final Exam

Learning Methods

Presentation, class discussions, practical activities, group exercises, and action planning for on-the-job implementation.

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.

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

Credits

National Association of State Boards of Accountancy (NASBA)

- Field of Study: Computer Science
- Level: Intermediate
- CPEs: 32

Professional Development Units (PDUs)

- Credits: 28

Continuous Learning Points (CLPs)

- Credits: 32