Construction Program Management Training Course

Professional Development Training Course Outline

Category	Construction Institute	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Construction Program Management Training Course is designed to develop world-class professionals capable of managing complex construction portfolios, mega projects, and infrastructure programs through strategic planning, digital transformation, risk optimization, cost control, and sustainable project delivery. In today's rapidly evolving construction industry, organizations require leaders who can integrate Project Management Excellence, Building Information Modeling (BIM), Lean Construction, Agile Delivery, Artificial Intelligence (AI), data-driven decision-making, and advanced stakeholder management to achieve successful project outcomes. This comprehensive program equips participants with the knowledge and tools required to manage construction programs from initiation to completion while ensuring quality assurance, safety compliance, schedule optimization, and financial performance.

The course focuses on building advanced capabilities in Construction Program Leadership, portfolio governance, project controls, contract management, procurement strategy, digital construction technologies, sustainability frameworks, and global best practices. Through real-world case studies, industry simulations, and practical exercises, participants will learn how leading organizations deliver large-scale construction programs efficiently. The training prepares professionals to become future-ready construction managers, program directors, project controls specialists, and strategic decision-makers who can drive innovation, resilience, and operational excellence in the global built environment.

Programme Curriculum

Construction Program Management Training Course

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Course Duration

5 days

Course Objectives

By the end of the **Construction Program Management Training Course**, participants will be able to:

1. Develop advanced Construction Program Management strategies aligned with organizational goals.
2. Master program governance frameworks for large-scale construction initiatives.
3. Apply digital transformation technologies including BIM, AI, IoT, and construction analytics.
4. Implement strategic project planning and execution methodologies.
5. Improve cost management, budgeting, and financial control systems.
6. Apply advanced risk management and resilience planning techniques.
7. Optimize construction schedules using Project Controls and predictive analytics.
8. Enhance contract administration and commercial management capabilities.
9. Apply Lean Construction and Agile project delivery principles.
10. Improve quality management and construction excellence practices.
11. Implement sustainable construction and ESG-driven project strategies.
12. Strengthen leadership skills for managing multicultural construction teams.
13. Develop expertise in mega project delivery, infrastructure management, and global construction standards.

Target Audience

1. Construction Program Managers
2. Project Directors and Project Managers
3. Civil Engineers and Construction Engineers
4. Project Controls Professionals
5. Quantity Surveyors and Cost Managers
6. Contractors and Developers
7. Architects and Design Management Professionals
8. Government Infrastructure and Real Estate Professionals

Course Modules

Module 1: Fundamentals of Construction Program Management

- Construction program lifecycle, governance, and strategic alignment
- Difference between projects, programs, and portfolios
- Program management frameworks and global standards
- Roles of program managers in mega construction projects
- Developing program management offices (PMOs)
- Case Study: Crossrail Infrastructure Program – UK

Module 2: Strategic Planning and Program Governance

- Strategic construction planning methodologies
- Program governance models and decision frameworks
- Stakeholder engagement and communication strategies
- Portfolio prioritization and investment planning
- Executive reporting and performance dashboards
- Case Study: Dubai Metro Project – UAE

Module 3: Project Controls, Scheduling, and Performance Management

- Advanced scheduling techniques using CPM and EVM
- Cost forecasting and performance measurement
- Construction productivity optimization
- Digital dashboards and real-time project monitoring
- Predictive analytics for project success
- Case Study: California High-Speed Rail Project – USA

Module 4: Risk Management, Quality, and Safety Excellence

- Construction risk identification and mitigation strategies
- Safety leadership and zero-incident approaches
- Quality assurance and quality control systems
- Risk modeling and contingency planning
- Crisis management and project resilience
- Case Study: Burj Khalifa Construction Project – UAE

Module 5: Digital Construction and Smart Technologies

- Building Information Modeling (BIM) implementation
- Artificial Intelligence in construction management
- IoT-based construction monitoring systems
- Digital twins and smart infrastructure
- Data analytics for decision-making
- Case Study: HS2 Digital Construction Program – UK

Module 6: Contract Management, Procurement, and Commercial Strategy

- Construction contract strategies
- EPC, Design-Build, and PPP delivery models
- Procurement optimization and supplier management
- Claims prevention and dispute management
- Commercial risk management

- Case Study: Panama Canal Expansion Project – Panama

Module 7: Lean Construction, Sustainability, and Innovation

- Lean Construction principles and waste reduction
- Sustainable construction practices
- ESG requirements in construction projects
- Green building certifications and carbon reduction
- Innovation management and future construction trends
- Case Study: The Edge Building – Netherlands

Module 8: Leadership, Change Management, and Future Construction Trends

- Construction leadership and team development
- Managing organizational change
- Global collaboration and cultural intelligence
- Future trends-robotics, automation, AI, and digital twins
- Building future-ready construction organizations
- Case Study: NEOM Construction Program – Saudi Arabia

Training Methodology

This course employs a participatory and hands-on approach to ensure practical learning, including:

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com