



Construction Project Planning (CPP)

تخطيط المشاريع الإنشائية



A London College-accredited programme preparing professional planning engineers. Learn scheduling, resource and cost management, and monitoring with Earned Value Management (EVM).

training hours

24

Delivery

In-person / Live online

Fees

On request

Programme code

CPP

Who should attend

- Planning and monitoring engineers in contracting companies
- Project managers and technical office engineers
- Recently graduated engineers wishing to specialise in planning
- Employer representatives responsible for monitoring progress

Entry requirements

- An engineering qualification; the programme suits recent engineering graduates wishing to specialise in planning as well as practitioners
- No prior scheduling experience is required; the programme starts from the core concepts (CPM and WBS)

What you will learn

- Preparing the work breakdown structure (WBS) and activity sequencing
- Building the schedule and loading resources and costs using planning software
- Critical path analysis, float, and delay management
- Updating the schedule, preparing progress reports and forecasting completion
- Documenting delays and linking the schedule to contractual claims

What the fee includes

- 24 training hours over one month with Eng. Mona Ahmad Al-Amr
- Programme course content covering 29 key points in planning
- Practical exercises in building the schedule and loading resources and costs in planning software

- Basic familiarity with construction contracts is helpful in the module on the updated programme under FIDIC contracts
- A programme output report template and programme updating under FIDIC contracts
- The international CPP certificate accredited by London College - UK and a certificate of completion from Metropolis Institute
- For online training: access to the Metropolis learning platform and recorded lectures for review

Assessment and certificate

- **Assessment method:** Participants are assessed on attendance and the practical exercises: building the schedule and loading resources and costs in planning software, preparing the programme output report and evaluating progress using earned value management (EVM).
- **Certificate:** The international Construction Project Planning (CPP) certificate accredited by London College - UK, together with an accredited certificate of completion from Metropolis Training Institute (24 training hours).
- **Accrediting body:** London College - UK

Course outline

Initial Preparation and Planning

- Definition of the works programme and its benefits.
- The Critical Path Method and the critical chain.
- The works programme in construction contracts: where do we start?
- Identifying risks associated with the project schedule.
- Construction methods and their relationship to the project programme.
- Work breakdown structure (WBS).
- Work programme activities and the original activity duration.
- The overall time for executing the works and the elements that make up the programme.

Scheduling, Resources and Costs

- Fundamentals of schedule calculation methods.
- Contractual constraints and their relationship to the schedule.
- Scheduling of the procurement phase.
- Scheduling of designs and shop drawings.
- Scheduling of the construction and handover phases.
- High-level planning and data loading.
- Scheduling costs, effort and resources (Resource Loading).
- Levelling and regulating resource demand (Levelling).

Monitoring, Updating and Reporting

- Programme outcomes report template.
- The evolution of schedule types across the stages of completion.
- The updated works programme under FIDIC contracts.
- Monitoring and assessing the actual progress of work.
- Evaluation using Earned Value Management (EVM) criteria.

Upcoming sessions

Dates are announced on the website

Trainer

- **Eng. Mona Ahmad Al-Amr** – Project Planning and Control



Enrol

[https://metropolis.training/en/pages/training/upcoming-courses/register.html?
program=CPP](https://metropolis.training/en/pages/training/upcoming-courses/register.html?program=CPP)

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