



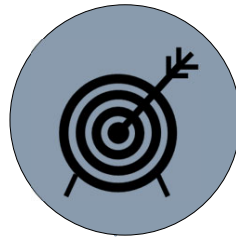
TxDOT – Transportation Project Development PM Learning Path

Suggested First Course

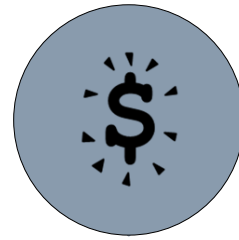
Instructor-Led Course (Black Border)

PeopleSoft eLearning (Red Border)

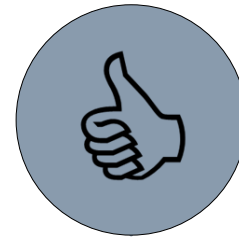
Project Scope Management



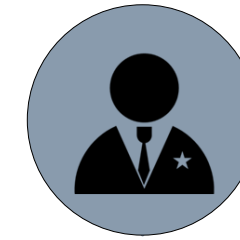
Project Cost Management



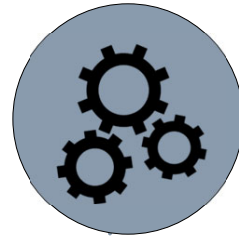
Project Quality Management



Project Stakeholder Management



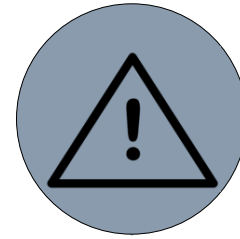
Project Procurement Management



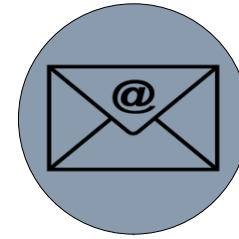
Project Integration Management



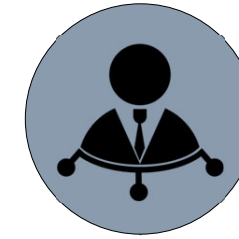
Project Schedule Management



Project Risk Management



Project Communication Management



Project Resource Management

Essential Courses: Fundamental courses for Project Managers seeking a general overview of a knowledge area

Time Commitment: These courses take approximately 16 days to complete

- Transportation Project Management at TxDOT PMD300 6 hrs.
- Introduction to Program and Portfolio Management at TxDOT PMD301 4 hrs.
- Intro to Transportation Planning & Development TPD100 0.5 hrs.
- Intro. To Project Management DEV415 16 hrs.

Project Scope Management PMD120 4 hrs.

- Transportation Scheduling Using P6 PMD103 12 hrs.
- Construction Contract Time Determination for Transportation Projects Using P6 PMD108 4 hrs.

Construction Cost Estimating PMD142 5 hrs.

- Transportation Project Risk Management PMD151 3 hrs.
- Identifying and Managing Utility Conflicts ROW100 7 hrs.
- Introduction to Right of Way ROW099 1 hr.

Using PS&E Stage Gate Cklist DES907 1 hr.

Communication is integrated in all PMD courses

- Effective Public Involvement EPI100 8 hrs.
- Effective Public Involvement - Advanced EPI200 8.5 hrs.
- Stakeholder Management for Right of Way Projects ROW640 7 hrs.

Project Management – Resource Management DEV418 24 hrs.

- Intro. To Prof. Eng. Prcmnt. Srvs. Cntrctng. CTR600 2 hrs.
- PEPS Contract & WA Management CTR622 16 hrs.
- PEPS Consultant Selection CTR620 12 hrs.

Supporting Courses: Supplemental courses that provide project managers with a deeper understanding of a knowledge area

- Overview of Project Dev & Delivery at TxDOT TPD101 4 hrs.
- Project Delivery & Governance TPD102 4 hrs.
- Performance Based Planning TPD103 4 hrs.
- Quarterly Review Process TPD104 4 hrs.
- Local Gov. Project Procedures for TxDOT LGP101 12 hrs.

- Construction Schedule Review for Transportation Projects Using P6 PMD109 8 hrs.
- Basic Construction Schedule Analysis CON511 16 hrs.
- Project Management – Scheduling DEV419 24 hrs.

- Project Management - Risk Assessment DEV417 24 hrs.
- TxDOT Utility Coordination ROW101 11 hrs.
- Risk Management & Tort Liability TRF203 24 hrs.

Dispute Resolution CON209 12 hrs.

- Texas Transportation Contracting CTR111 12 hrs.
- Ethics in Contracting CTR114 4 hrs.
- PEPS Contract Negotiations CTR621 12 hrs.
- Consultant Errors & Omissions CTR616 16 hrs.
- Managing CE&I Consultant Contracts CTR623 16 hrs.
- Innovative Project Delivery PMD211



Additional Courses

Computer-Based Course
(Red Border)



TxDOT – Transportation Project Development PM Learning Path

Supporting Courses: Supplemental courses that provide project managers with a deeper understanding of a knowledge area

Project Procurement Management



Negotiating TxDOT Contracts
CTR106 8 hrs.

Overview

This PM Learning Path provides a suggested sequence of courses geared towards skill enhancement for Transportation Project Development Project Managers.

Within the Learning Path, the courses are grouped by Knowledge Areas. A Knowledge Area is an identified area of project management defined by its knowledge requirements and described in terms of its component processes, practices, inputs, outputs, tools, and techniques. Knowledge Areas cover what a project manager needs to know in order to successfully manage a project. These Knowledge Areas are used in most projects most of the time. The Project Management Institute (PMI) established industry standard terminology and guidelines known as, *A Guide to the Project Management Body of Knowledge* (PMBOK Guide 6th Edition).

Within the Learning Path, the courses identified as 'Essential' provide project managers with general overview of the Knowledge Area. Project managers who want to develop a more in depth understanding of a particular Knowledge Area may choose to enroll in the identified 'Supporting' courses.

Knowledge Areas

- Project Integration Management:** Effective integration of the processes required to accomplish project objectives. This includes developing a Project Management Plan and a project charter.
- Project Scope Management:** Defines and controls what is and is not included in the project. This includes the creation of a Work Breakdown Structure.
- Project Time Management:** Examines processes required for the timely completion of the project. This includes the development and control of the project schedule.
- Project Cost Management:** Planning, estimating, budgeting and controlling costs to ensure the project can be completed within the approved budget.
- Project Risk Management:** Increasing the probability and impact of positive events and decreasing negative events. These are updated throughout the project. This includes qualitative and quantitative risk analysis.
- Project Quality Management:** Processes that identify which quality standards are relevant to the project objectives to ensure that the project achieves its goals. This includes quality planning assurance and control.
- Project Communications Management:** Communicate direction and decisions on all project-related issues. This includes performance tracking, issue escalation and managing internal and external stakeholders.
- Project Stakeholder Management:** Involves analyzing stakeholder expectations and developing management strategies for effectively engaging stakeholders during project decisions and execution.
- Project Resource Management:** Processes that involve resource planning and ensuring that all resources are used efficiently. This includes forming, developing and managing the project team.
- Project Procurement Management:** Processes to purchase/acquire the products, services or results needed to perform the project work. This includes contract management and change control.

Contact Us

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