

# IMS DC/IMS TM Programming

CDT520

This course covers the concepts and terminology of IMS DC/IMS TM (Transaction Management). I/O PCBs, fixed alternate PCBs and modifiable alternate PCBs are presented. In addition, application programming using COBOL is explored, including retrieving and inserting message segments. DL/I message call syntax is covered in detail. Conversational programming is also presented. The student will complete several computer exercises that reinforce course concepts.

---

## Audience

- This course is designed for programmers, programmer/analysts, database administrators and other data processing professionals who require a thorough course on IMS DC/IMS TM programming.

## Prerequisites

- IMS DB Programming Workshop or at least six months of IMS programming experience.

## Course Length

- Five days

## Teaching Methods

- Lecture with examples
- Supplemental written exercises

---

## Course Outline

WA5

### IMS DC/IMS TM Introduction

- IMS DB vs. IMS DC/IMS TM?
- MP Regions and BMP regions
- Message Queues
- Transactions and PSBs
- System Generation of Transaction Codes and Applications
- Scheduling of Transactions

### Application Programming

- IMS DB Review
- Message I/O Area
- Input processing (GU and GN)
- Output Processing (ISRT, CHNG)
- Non-conversational and Conversational Programming
- Scratch Pad Area (SPA)
- Message Format Service (MFS) Introduction

### PCBs in IMS DC/IMS TM

- PSB Overview
- The Role of the I/O PCB
- I/O PCB Mask
- Alternate PCBs (Fixed and Modifiable)
- Alternate PCB Mask