

**Course Description:** This course teaches Java programmers how to use the JMS (Java Messaging Service) classes for developing applications in the IBM WebSphere MQ environment. Through lectures and extensive hands-on exercises, the students learn to design, develop and deploy industrial strength messaging applications. The course topics include JMS architecture, point-to-point messaging model, publish/subscribe model, working with queue and message objects, JMS administered objects and many other topics.

**Who Should Attend:** This course is a must for Java developers who want to learn how to design, implement and deploy JMS application using the IBM WebSphere MQ transport.

**Prerequisites:** Students should have taken the course, Technical Introduction to WebSphere MQ, plus have Java programming experience.

**Benefits of Attendance:** Upon completion of this course, students will be able to:

- Understand JMS architecture as implemented in WebSphere MQ
- Work with JMS administered objects
- Develop JMS based messaging applications
- Understand JMS security implementation
- Implement WebSphere MQ specific functions in JMS applications

**Course Outline:**

What is WMQ

What is JMS?

What is JNDI?

JMS Administration

Examining a JMS Program

JMS and WebSphere MQ Resources

Messages

JMS Message Selection

JMS Message Types

JMS Program Initiation

Request-Reply Pattern

Publish Subscribe Pattern

Transaction Processing with JMS