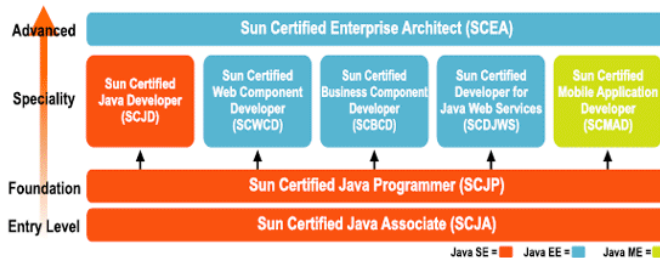


# Sun Java



**Sun's certification program** in Java technology is an industry recognized, worldwide program that focuses on critical job roles in software application development and enterprise architecture. Since these certifications focus on the technology, the knowledge and skills learned while preparing for Sun's certifications are transportable from one company to another.

Sun's philosophy is that certification is central to the learning process as it provides validation of skill sets for specific job roles. Sun certification also offers a natural progression to support your career goals.

First, by becoming a Sun Certified Associate Sun verifies that you have a base set of knowledge that enables entry into a career in application development or software project management using Java technology.

Second, we train developers on a foundational set of skills, which can then be validated by becoming a Sun Certified Programmer.

Afterwards, you can pursue advanced or specialty training and certifications that help enable career growth into more specific job roles making you more valuable to an organization.

Sun offers the following Java technology professional certifications:

- Sun Certified Java Programmer (SCJP)
- Sun Certified Web Component Developer (SCWCD)
- Sun Certified Business Component Developer (SCBCD)

### Sun Certified Java Programmer (SCJP)

The SCJP exam is the first in a series of Java Certification exams offered by Sun Microsystems, and for many it is the first step to get established as a competent Java developer. It tests the knowledge of Java fundamentals and requires in-depth knowledge of the syntax and semantics of the language. Even experienced Java programmers can benefit from the preparation for the SCJP exam. You get to learn very subtle and useful tips, which you might not have been aware of, even after many years of programming in Java.

### Sun Certified Web Component Developer (SCWCD)

Sun Certified Web Component Developer is popular and valuable certifications in the domain of J2EE. Launched by Sun Microsystems, the Sun Certified Web Component Developer (SCWCD) Certification Exam has occupied a place of its own in the Web Components (especially JSP and Servlets) Developer Community. An effective measure of server side Java skills, this exam is becoming increasingly important for developers.

**Pre-requisites** - The first step towards SCWCD is SCJP (Sun Certified Java Programmer) Certification, which is the prerequisite for this exam. You need to have a detailed and thorough understanding of issues involving the design, development, and implementation of various Java web components.

### Sun Certified Business Component Developer (SCBCD)

Sun Certified Business Component Developer for the Java Platform, Enterprise Edition 6 has been designed for programmers working on developing server-side components on Java 6 platform. It tests the programmers ability to design, develop, assemble, deploy and test EJB components as per the EJB 3.0 specifications.

**Pre-requisites** - The Sun Certified Business Component Developer Certification requires you to be a Sun Certified Programmer for the Java platform (any edition).

### COURSE CONTENTS

#### Java Programming Language (SL-275-SE6)

- Getting Started
- Expressions and flow Control
- Advance Class Features
- I/O Fundamentals
- Handling GUI- Generated Events
- Networking
- A-1. Elements of Advanced Java Programming

#### Developing Applications for the J2EE Platform (FJ-310)

- Survey of Java EE Technologies
- Developing Servlets
- Java Server Faces
- The Java Persistence API
- Developing Asynchronous Java EE Applications and Messaging

#### Web Component Development With Servlet and JSP Technologies (SL-314)

- Introduction to Web Application Technologies
- Developing Dynamic Forms
- Sharing Application Resources Using the Servlet Context
- Developing JSP Pages
- Action Forms
- Quick Reference for HTTP
- Quick Reference for the Aet Tool

#### Advanced Business Component Development with Enterprise JavaBeans Technology (SL-351 SG)

- About This Course
- Implementing EJB 2.0 Container-Managed Persistence(CMP)
- Developing J2EE Applications Using Messaging
- Using Timer Services
- Implementing Web Service Endpoint Interface
- Quick Reference for UML

- Object-Oriented Programming
- Arrays
- Exceptions and Assertions
- Console I/O and File I/O
- GUI-Based Applications

- B-1. Quick Reference for UML

- Enterprise Application Architecture
- Developing With JavaServer Pages Technology
- EJB Overview
- Implementing a Transaction Policy
- Developing Message-Driven Beans
- Implementing Java EE Web Services
- Developing a View Component
- Designing the Business Tier
- Developing Web Applications Using Session Management
- Developing JSP Pages Using Custom Tags
- Building Reusable Web Presentation Components
- Quick Reference for XML
- Packaging and Deploying EJB Components
- Implementing Container-Managed Relationship (CMR)
- Implementing Transaction
- Implementing Security
- Using EJB Technology Best Practices
- Introducing Transactions

- Identification, Keywords and Types
- Class Design
- Collections and Generics Framework
- Building Java GUIs Using the Swing AWT
- Threads
- C-1. Swing Components

- Web Technology Overview
- Implementing EJB 3.0 Session Beans
- Web Service Model
- Implementing a Security Policy JAX-WS and JAX-RS

- Developing a Controller Component
- Developing Web Applications Using Struts
- Using Filters in Web Applications
- Integrating Web Applications With Database
- Developing Web Applications Using Struts
- Quick Reference for HTML
- Quick Reference for the Tomcat Server
- Quick Reference for UML

- Introduction the Auction Application
- Using the Query Language (QL)
- Developing Message-Driven Beans
- Handling Exception
- Integrating With Legacy Systems
- Exploring Web Services