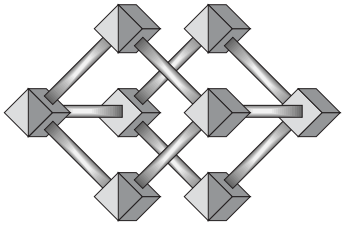

Internet Institute USA

Java Enterprise Developer

Internet Institute USA offers courses that lead to the Sun Certified Enterprise Developer credential. This certification is for Sun Certified Programmers who are using the Java technology servlet and JavaServer Pages (JSP) application programming interfaces (APIs) to develop Web applications. The program covers the Java 2 Platform, Enterprise Edition (J2EE). The certification consists of one exam and requires Sun Certified Programmer status.

Needs Assessment: The Enterprise Developer credential follows the Java Programmer credential, and focuses on server applications. This is an alternate approach to creating server-side applications with CGI/Perl, Active Server Pages, and PHP, by using Java technology.

Competencies: This curriculum prepares students for the Sun Certified Web Component Developer for J2EE Platform exam: 310-080.

Competencies Prior to Enrollment: The IIUSA-275 *Java Programming Language* course should be completed prior to enrolling in this program, and the student should make significant progress toward earning the Sun Java Programmer credential.

```
public class Server {
 public static void main(String[] args) {
  // Initialize ORB.  Method returns reference to ORB pseudo-
  // object; allows communication directly with orb run-time.
  org.omg.CORBA.ORB orb = org.omg.CORBA.ORB.init(args,null);

  // Initialize the BOA.  Provides policies for
  // object implementation activation and deactivation
  org.omg.CORBA.BOA boa = orb.BOA_init();

  // Create the server object.
  // We specify the name of the object to make it persistent.
  // Persistent objects are used for long-running servers.
  Hello.HelloWorld Ohello = new HelloWorldImpl("HelloServer");

  // Export the newly created object.  This method on boa
  // registers the implementation object with the osagent which
  // can locate the object when the client request comes in.
  boa.obj_is_ready(Ohello);
  System.out.println(Ohello + " is ready.");

  // Wait for incoming requests.  This method tells the orb that
  // the implementation object has been created and is now ready
  // to take requests from the client.
  boa.impl_is_ready();  }  }
```

To register or to check on class schedules, or for additional information, see our Web site at http://iiusa.cc, or send us email at info@iiusa.cc.

¥ Instructor-led classroom sessions

¥ Out-of-hours laboratory time

¥ Exam preparation software

¥ Exam voucher

Java Enterprise Developer

http://iiusa.cc

Course Requirements
Sun Certified Java Enterprise Developer

(10 days: includes courseware, exam prep software)
This two-course sequence serves to prepare students for the Sun Certified Java Enterprise Developer credential, which is earned after passing the Sun Certified Web Component Developer for J2EE Platform exam 310-080.

IIUSA-310: *Developing J2EE Compliant Applications* (5 days)
Prerequisites: To succeed fully in this course, students should be able to:
• Use Java technology syntax fluently
• Code a Java technology class and methods
• Understand the Java technology interface construct
• Understand the JavaBeans component architecture
• Create and modify simple HTML pages
• Write a Java technology program

The Developing J2EE Compliant Java Applications course provides students with knowledge to build and deploy enterprise applications that comply with Java 2 Enterprise Edition (J2EE). The enterprise components covered in this course range from Enterprise JavaBeans (EJB), servlets, and JavaServer Pages (JSP) to the HTML and Java technology clients that use them. Students gain hands-on experience through labs that build an end-to-end, distributed business application. The labs explore database interaction from session EJB components using Java Database Connectivity (JDBC), and entity EJB components using both bean managed and container-managed persistence. Students build HTML and Java technology clients. The HTML clients access Java Enterprise services using servlets and JavaServer Pages. Students are taught how to assemble an application from reusable components and deploy an application into the J2EE runtime environment.

IIUSA-314: *Web Component Development with Java Technology* (5 days)
Prerequisites: To succeed fully in this course, students should be able to:
• Write Java technology applications, demonstrating significant programming ability
• Integrate existing Java technology-based code (that is, reuse existing classes created by other team members)
• Design Java technology applications
• Functionally describe the benefits of an n-tier architecture
• Write a Web page using HTML

Course Outline
The Web Component Development with Java Technology course provides students with the knowledge and skills needed to quickly build reference implementation-compliant Web tier components from JavaServer Pages (JSP) and servlet technologies using the Tomcat server environment. Students are exposed to the current best practices for analyzing, designing, developing, testing, and deploying Web applications with Java technologies. Real-world lab exercises provide students experience with constructing and deploying small- to medium-scale Web applications found in intranet and low-volume commercial sites.

This course also provides an ideal method of preparing for the new Sun Certified Web Component Developer certification examination. As such, students are not only taught the technical details of JSP and servlet technology, they also learn about the best practices for integrating the Web tier with the other tiers, from the browser display to Enterprise JavaBeans (EJB) components running on an application server and backend database resources.

Internet Institute USA
http://iiusatech.com
info@iiusatech.com

Arizona
2200 N. Central Avenue; Suite 103
Phoenix, AZ 85004
602-776-4545 (p)
480-452-1688(f)