

UNIX

**SECURITY**

**AJAX**

Best Practices

Software Engineering

Mainframe

Web Services

**Trivera Technologies  
Worldwide Collaborative  
Education Services**

Training | Mentoring | Courseware  
Classroom | Online | Custom

XHTML-CSS

SOA Java EE

J2EE

WEB 2.0 .Net

Test Driven Development

Agile **Java**

IBM WebSphere Spring  
Hibernate



Contract Holder  
GS -35F-0188T



**TriveraTech**

Educate. Collaborate. Accelerate!

## Trivera Technologies LLC, Worldwide

Training | Mentoring | Courseware

Trivera Technologies LLC is a worldwide provider of **IT education and training, structured mentoring programs, custom courseware design & licensing and specialized consulting services**. Our extensive team of subject matter experts, experienced instructors and courseware designers brings years of practical programming experience into every classroom and custom project.

Visit our site for information about our newly released **JavaEE Developer's Boot Camp** or our **Defensive Coding & Development Security Tracks, SOA Suites or Advanced JavaEE topics** - intense, integrated training programs complete with hands-on labs, comprehensive seminars and intense mentoring and project development, combined to provide your staff with a proven foundation in advanced development.

Our goal is to make *you* a success in the classroom. Whether you're a manager arranging training for your company, a trainer or training firm using our courseware materials at your valued client site, or a student attending a course presented by one of our experts, **our core mission is to develop and deliver exactly what you need to achieve your goals**, held to the highest industry quality standards, with complete support and assistance before, during and after your event.

### A Sample of our Course Offerings includes....

We offer introductory through advanced level training in all of the topics listed below, as well as many other learning tracks listed on our website. All courses are fully customizable to suit your unique requirements, and can be presented live in your classroom, virtually for private delivery for your team, or in public training courses available around the globe.

### Object Oriented Essentials Track (for Java or .Net)

- Object-Oriented Analysis & Design using UML
- Core Design Patterns & Frameworks
- Gathering User Requirements using Use Cases
- Test Driven Development & Agile Topics

### Java 5, Java 6 & JavaEE Essentials Track

- Basic & Advanced Java Topics
- Writing Graphical User Interfaces
- Servlets, JSPs & Custom Tags
- J2EE / JavaEE Design Patterns
- J2EE / JavaEE Architecture
- J2EE / JavaEE Component Development & Design
- Mastering Spring; Mastering Hibernate
- Spring & Hibernate Integration
- Struts 2.0
- EJB & EJB 3.0 Topics
- AJAX & AJAX Integration Topics (Struts, JSF etc)
- Maven, Tapestry & More
- Java & JavaEE Certification Training

### XML, Web Services & SOA Track

- XML Fundamentals
- Mastering XML, XSL and Java
- XML for Java Developers
- Advanced XML/XSL, XSLT & Integration Topics
- Core & Advanced Web Services for J2EE Developers
- Web Services Security
- SOA (Services-Oriented Architecture) for Managers
- SOA Analysis; Design Security & More

### Best Defense: Security Training Suite

- AppDev Security & Secure Coding Topics - Java, JEE, .Net
- Web Services & SOA Security
- Defensive Coding: Best Practices
- Secure Software Design

### Specialty Software Topics

- IBM WebSphere & Rational Application Developer (RAD)
- TomCat & JBoss Administration Topics
- WebSphere Application Server Administration
- BEA WebLogic Administration
- Eclipse, MyEclipse, Eclipse WTP Training & More

### Programming Suite

- Perl; Python; SQL
- C & C++ Classes & More

### Web 2.0 & Web Development Suite

- AJAX; XML
- Cold Fusion
- HTML; XHTML; CSS; JavaScript & More
- PHP & More

### .Net Developer Suite

- Core .Net Curriculum for .Net 2.0
- MCTS .Net Curriculum
- .Net Certification Training

### Software Development, Business Analysis & Testing

- Software Engineering
- Project Management
- Business Analysis Training

**Please contact us for our complete current course list & outlines, course roadmaps, public training schedule, individual course details and outlines or courseware licensing information.**

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*Trivera Technologies is a 100% Female-Owned  
Small Business Concern, with GSA Schedule GS-35F-0188T  
Please contact us for details and pricing.*



**Application Development and Design Training - Java, J2EE/JEE, OO, UML and More**

Please note that all application development, Java, J2EE and JEE / JavaEE courses may be presented using your IDE, Application Server and platform of choice. Most courses are currently offered using the latest editions of IBM Rational Application Developer (RAD 6, RAD7, RAD7.5); Oracle JDeveloper, WebLogic; JBoss; TomCat; Eclipse / MyEclipse; Eclipse WTP, Eclipse Ganymede, Borland JBuilder and more. Please contact us for details. Custom fees may apply.

**Object-Oriented Foundation Suite**

Course ID	#of Days	Skill Level	Course Title (** See bottom of list for notes about tools)
TT1000	1	1	Understanding Object-Oriented Analysis & Design - A Technical Overview
TT1100	3	1	Core Object-Oriented Analysis & Design Using UML
TT1120	5	1	Object-Oriented Analysis & Design Using UML
TT1130	5	1	Object-Oriented Analysis & Design Using UML 2.0
TT1160	3	1	OO, RUP and J2EE Overview
TT1200	3	1+	Core Object-Oriented Design Patterns in C++ and/or Java
TT1211	4	1+	Core Object-Oriented Design Patterns in C++ and/or Java (with Extended Projects)
TT1250	5	1+	Object-Oriented Design Patterns and Best Practices in C++ and/or Java (for Java 5 or java 6)
TT1260	5	1+	Object-Oriented Design Patterns and Best Practices in .Net
TTR1300	4	1+	Gathering and Documenting Requirements Through Use Cases
TT1310	5	1+	Analysis & Design Using UML & Use Cases
TT1400	5	2	Mastering Advanced Object-Oriented Design Patterns in .Net (C#)
TT1900	5+	1	Immersion Boot Camp (Custom): Object Oriented Boot Camp for Developers
TTI0106	5	1+	Rational Rose: Design using UML (with Rational Rose)
TTI0107	5	1+	Rational Rose: Analysis & Design using UML with Rational Rose

**Java Essentials Development Suite**

Course ID	#of Days	Skill Level	Course Title (** See bottom of list for notes about tools)
TT2000	1	1	Understanding Java - A Technical Overview
TT2100	5	1	Java Programming Fundamentals for OO Developers (for Java 5 or Java 6)
TT2101	3	1	Core Java Programming Fundamentals (for Java 5 or Java 6)
TT2120	5	1	Java Programming Fundamentals for Developers New to OO (C, COBOL, Mainframe, 4GL) (for
TT5140-J2EE	5	1	Java Programming Essentials for Server-Side (J2EE) OO-Experienced Developers (C++, etc)
TT5140-JEE	5	1	Java Programming Essentials for Server-Side (JEE) OO-Experienced Developers (C++, etc)
TT5145-J2EE	5	1	Java Programming Essentials for Server-Side (J2EE) Developers New to OO (C, COBOL, 4GL,
TT5145-JEE	5	1	Java Programming Essentials for Server-Side (JEE) Developers New to OO (C, COBOL, 4GL, etc)
TT2140	2	1+	Transitioning to Java 5
TT2141	2	1+	Transitioning to Java 6
TT2200	2	1+	Mastering JDBC
TT2220	3	1+	Implementing User Interfaces in Java (Java Foundation Classes)
TT2900	5+	1+	Immersion Program (Custom): Java Developer's Boot Camp
TT8000	1	1	Security Suite: IMPACT Overview: Understanding Application Security
TT8100-J	2	1+	Security Suite: Secure Java Application Development Seminar (for Java 5 of Java 6)
TT8200-J	3	1+	Security Suite: Secure Java Coding (for Java 5 of Java 6)
TT8205-J	4	2	Security Suite: Secure Java Coding - Lifecycle (for Java 5 of Java 6)
TT8700	2	2	Security Suite: Database Security - Securing Databases

**Test Driven Development Suite**

Course ID	#of Days	Skill Level	Course Title (** See bottom of list for notes about tools)
TT1515	1	1	Agile Development Essentials - A Technical Overview
TT1615	1	1	SCM and Continuous Integration - A Technical Overview
TTR311	4	1	Adopting Agile Software Development Practices
TT3500	4	2	Mastering Test Driven Development Using JUnit
TT3510	3	1	Core Test Driven Development using JUnit (Level1)
TT3520	3	2	Advanced Test Driven Development (Level 2)



TT3530	2	1	Implementing Agile Test Driven Development for Non-Programmers
TT3535	3	2	Agile Test Driven Development for Java Developers (hands-on)
TT3540	5	2	Test Driven Development Boot Camp (TT3510 / TT3520 combination)

**Advanced Java Development Suite**

Course ID	#of Days	Skill Level	Course Title (** See bottom of list for notes about tools)
TT3100	4	2	Advanced Java Programming (Java 5 or Java 6)
TT3110	2	2	Java Performance Tuning (Java 5 or Java 6)
TT3200	4	2	Applying Hibernate to Persistence in Java (Mastering Hibernate)
TT3300	4	2	Mastering the Spring 1.x Framework
TT3325	5	2	Mastering the Spring 2.5 Framework
TT3400	5	2	Integrating Hibernate and Spring 1.x (Hibernate emphasis)
TT3420	5	2	Integrating Hibernate and Spring 2.5 (Hibernate emphasis)
TT3405	5	2	Integrating Spring 1.x and Hibernate (Spring emphasis)
TT3425	5	2	Integrating Spring 2.5 and Hibernate (Spring emphasis)
TT3430	5	2	Integrating Spring 1.x and iBatis (Spring emphasis)
TT3435	5	2	Integrating Spring 2.5 and iBatis (Spring emphasis)
TT3800	1	1+	Working with Maven

**Enterprise - Server Side Java Edition (J2EE - JEE / JavaEE) Development Suite**

Course ID	#of Days	Skill Level	Course Title (** See bottom of list for notes about tools)
TT5000-J2EE	1	1	Understanding J2EE - A Technical Overview
TT5000-JEE	1	1	Understanding JEE / JavaEE - A Technical Overview
TT5010	2	1	Understanding Java & J2EE - A Technical Overview (Lecture / Lab Demos)
TT5015	3	1	Understanding Java & J2EE - A Technical Overview (Hands-On High-Level Labs)
TT5017	1	1	Understanding EJBs - A Technical Overview
TT5100-J2EE	5	1+	Fast Track to Building J2EE Web Applications using Servlets, JSPs, JDBC, Security and More
TT5100-JEE	5	1+	Fast Track to Building JEE / JavaEE Web Applications using Servlets, JSPs, JDBC, Security and
TT5120-J2EE	5	2	The J2EE Developer's Boot Camp (Servlets, JSPs, EJBs, JDBC, XML & More)
TT5120-JEE	5	2	The JEE / JavaEE Developer's Boot Camp (Servlets, JSPs, EJB3, JDBC, XML & More)
TT5140-J2EE	5	1	Java Programming Fundamentals for Server-Side (J2EE), OO-Experienced Developers (C++,
TT5140-JEE	5	1	Java Programming Fundamentals for Server-Side (JEE), OO-Experienced Developers (C++, etc)
TT5145-J2EE	5	1	Java Programming Fundamentals for Server-Side (J2EE) Developers New to OO (C, COBOL,
TT5145-JEE	5	1	Java Programming Fundamentals for Server-Side (JEE) Developers New to OO (C, COBOL, 4GL)
TT5160-J2EE	3	1+	Core Servlets and JSP Fundamentals for J2EE Developers
TT5160-JEE	3	1+	Core Servlets and JSP Fundamentals for JavaEE / JEE Developers
TT5200	3	1+	Fast Track to Core EJB 2.1 Application Development
TT5320	5	2	Developing Applications for the JEE Platform
TT5240	4	2	Mastering EJB 2.1 Application Development (with Advanced Topics)
TT5250	5	2	Transitioning to Java 6, Struts 2 and EJB 3.0
TT5260	3	2	Fast Track to Core EJB 3.0 Application Development
TT5263	3	2	Transitioning to EJB 3.0 from EJB 2.1
TT5265	4	2	Writing EJB 3.0 Developer's Workshop
TT5266	5	2+	Mastering EJB 3.0 Applications (with Advanced Topics)
TT5268	5	2+	Mastering EJB 3.0 and the JPA (combines TT5260 and TT5275)
TT5270	3	2+	Mastering the Java Persistence (JPA) API (using JBoss)
TT5275	2	2+	Core Java Persistence (JPA) API (using JBoss) (for the EJB 3.0 Experienced)
TT5300	5	2	Developing J2EE Component Compliant Applications (FJ-310)
TT5320	5	2	Developing JEE / JavaEE Component Compliant Applications (FJ-310)

**\*\* See below for Suggested JEE & J2EE Security Suite Topics**



**Advanced Enterprise Java Edition (J2EE / JEE / JavaEE) Development Suite**

Course ID	#of Days	Skill Level	Course Title (** See bottom of list for notes about tools)
TT6000	1	1+	Understanding Struts - A Technical Overview
TT6002	1	1+	Understanding Struts 2.0 - A Technical Overview
TT6010-J2EE	1	2	Understanding J2EE Design Patterns - A Technical Overview
TT6010-JEE	1	2	Understanding JEE / JavaEE Design Patterns - A Technical Overview
TT6200	3	1+	Fast Track to Core Struts 1.x Development
TT6202	3	2	Fast Track to Core Struts 2.0 Development

**Advanced Enterprise Java Edition (J2EE / JEE / JavaEE) Development Suite (continued)**

Course ID	#of Days	Skill Level	Course Title (** See bottom of list for notes about tools)
TT6212	3	2	Transitioning to Struts 2.0
TT6240	5	2	Mastering Struts 1.2 Developer's Workshop
TT6242	5	2	Mastering Struts 2.0 Developer's Workshop
TT6252	3	2	Mastering Advanced Struts 2.0
TT6260-J2EE	5	1+	Developing J2EE Web Applications using Servlets/JSPS, Tags & Classic Struts
TT6260-JEE	5	1+	Developing JEE / JavaEE Web Applications using Servlets/JSPS, Tags & Classic Struts
TT6262-J2EE	5	1+	Developing J2EE Web Applications using Servlets/JSPS, Tags & Struts 2
TT6262-JEE	5	1+	Developing JEE / JavaEE Web Applications using Servlets/JSPS, Tags & Struts 2
TT4255	5	2	Web Development: Integrating Ajax and Struts (with Advanced Ajax Topics)
TT6300	3	1+	Core JavaServer Faces (JSF)
TT6301	4	1+	Mastering JavaServer Faces (JSF)
TT6320	5	2	Integrating JavaServer Faces (JSF) and Struts
TT6322	5	2	Integrating JavaServer Faces (JSF) and Struts 2.0
TT6340	5	2	Integrating JavaServer Faces (JSF) and Ajax
TT6360	5	2	Integrating JavaServer Faces (JSF) and Hibernate
TT6380	5	2	Integrating JavaServer Faces (JSF) , Hibernate, and Spring 1.x
TT6385	5	2	Integrating JavaServer Faces (JSF) , Hibernate, and Spring 2.5
TT6400	5	2	Integrating JavaServer Pages (JSPs) and Custom Tag Libraries
TT6500	5	2	Mastering J2EE Design Patterns
TT6520	5	2	Mastering JEE / JavaEE Design Patterns
TT6600	5	2	Architecting and Designing J2EE Applications
TT6620	5	2	Architecting and Designing Service-Oriented JEE / JavaEE Applications
TT8000	1	1	Security Suite: IMPACT Overview: Understanding Application Security
TT8020	1	1	Security Suite: IMPACT Overview: Understanding Web Application Security
TT8120-J2EE	2	1+	Security Suite: Secure J2EE Web Application Development Seminar
TT8120-JEE	2	1+	Security Suite: Secure JEE / JavaEE Web Application Development Seminar
TT8320-J2EE	3	2	Security Suite: Securing J2EE Web Applications
TT8320-JEE	3	2	Security Suite: Securing JEE / JavaEE Web Applications
TT8325-J2EE	4	2	Security Suite: Securing J2EE Web Applications - Lifecycle
TT8325-JEE	4	2	Security Suite: Securing JEE / JavaEE Web Applications - Lifecycle

## Service Oriented Architecture (SOA) & Web Services Suite

**Course ID      #of Days      Skill Level      Course Title (\*\* See bottom of list for notes about tools)**

Please note that all application development, Java, J2EE and JEE / JavaEE courses may be presented using your IDE, Application Server and platform of choice. Most courses are currently offered using the latest editions of IBM Rational Application Developer (RAD 6, RAD7, RAD7.5); Oracle JDeveloper, WebLogic; JBoss; TomCat; Eclipse / MyEclipse; Eclipse WTP, Eclipse Ganymede, Borland JBuilder and more. Please contact us for details. Custom fees may apply.

TT7000	1	1	Understanding SOA - A Technical Overview
TT7001	1	1	Understanding SOA - A Non-Technical Overview
TT7005	1	1	Understanding Web Services - A Technical Overview
TT7010	0.5	1	SOA Management Seminar (4 hours)
TT7015	0.5	1	SOA Leadership (2 hours)
TT7020	1	1	SOA Processes
TT7030	2	2	SOA Governance and Infrastructure
TT7040	2	1+	Security Suite: Understanding Secure SOA - A Technical Overview
TT7080	2	2	Security Suite: Securing Databases - Database Security
TT7100	4	2	Service Oriented Architectures Analysis and Design
TT7110	3	2	Service Oriented Architectures Analysis
TT7115	3	2	SOA Architectures
TT7120	3	2	Business Process Modeling (BPEL)
TT7125	3	2	Business Process Modeling (BPML)
TT7150	5	2	Mastering SOA and J2EE (or JEE) Web Services
TT7300	3	1+	Core Web Services for J2EE (or JEE) Developers
TT7301	4	1+	SOA and Web Services for J2EE (or JEE) Developers
TT7340	5	1+	Integrating SOA and J2EE (or JEE) Web Services
TT7360	5	1+	Integrating XML, SOA and J2EE (or JEE) Web Services
TT4400	5	2	Integrating XML, Web Services and SOA
TT4410	5	2	Integrating XML, Web Services & Ajax
TT8020	1	1	Security Suite: Best Defense Seminar: Understanding Web Application Security
TT8500	4	2	Security Suite: Securing J2EE (or JEE) Web Services
TT8500-N	4	2+	Security Suite: Securing .Net Web Services
TT8150	2	2	Security Suite: SOA Security



## Web Development Suite - Web 2.0, XML, Ajax and More

### Internet Architectures, XML, Ajax and More

Course ID	#of Days	Skill Level	Course Title (** See bottom of list for notes about tools)
TT4000	1	1	Understanding Internet Architectures - A Technical Overview
TT4005	1	1	Understanding XML - A Technical Overview
TT7005	1	1	Understanding Web Services - A Technical Overview
TT4200	3	1+	Core Ajax (Language Neutral)
TT4200-J	3	1+	Core Ajax for Java Developers (for Java 5 or Java 6)
TT4200-N	3	1+	Core Ajax for .Net Developers
TT4205	2	2	Advanced Ajax
TT4210	5	1+	Mastering Ajax (with Advanced Topics)
TT4250-J2EE	5	2	Integrating Ajax and J2EE
TT4250-JEE	5	2	Integrating Ajax and JEE / JavaEE
TT4255	5	2	Integrating Ajax and Struts (with Advanced Ajax Topics)
TT4260	5	2	Integrating Ajax and .Net
TT4300	3	1	Core XML Fundamentals (XML, Schema, XPath, and XSLT)
TT4305	3	1	Core XML/XSLT with ACORD
TT4340	3	2	Advanced XML and XSLT
TT4360	3	2	XML and Java: Processing XML using Java (JAXP)
TT4380	5	1+	XML for Java Programmers: Mastering XML, XSLT and XSL using Java (JAXP)
TT4400	5	2	Integrating XML, Web Services and SOA (Lecture/Demo)
TT4410	5	2	Integrating XML, Web Services & Ajax
TT4500	2	1+	Core XML for the Server-Side / Enterprise
TT4510	2	1+	Core XML for COBOL
TT7360-J2EE	5	1+	Integrating XML, SOA and J2EE Web Services
TT7360-JEE	5	1+	Integrating XML, SOA and JEE / JavaEE Web Services
TT4900	5	1+	BOOT CAMP: Web Developer's Boot Camp (Custom)
TT8020	1	1	Security Suite: Understanding Web Application Security
TT8120	2	1+	Secure Web Application Development Seminar (Language Neutral)

### HTML, XHTML, CSS & JavaScript

Course ID	#of Days	Skill Level	Course Title (** See bottom of list for notes about tools)
TTU0000	2	1	HTML Fundamentals
TTU0010	2	1	CSS Fundamentals
TTU0250	2	1	XHTML & CSS Best Practices
TTU0260	1	1+	Using XHTML and HTML Tags
TTU0100	3	1	Introduction to JavaScript
TTU0110	2	2	Advanced JavaScript and Dynamic HTML (DHTML)
TTA1020	5	1+	Mastering JavaScript

### PHP Programming

Course ID	#of Days	Skill Level	Course Title (** See bottom of list for notes about tools)
TTU0300	2	1	PHP Fundamentals
TTU0310	3	2	Intermediate PHP
TTU0320	3	2+	Mastering Advanced PHP
TTU0330	5	2+	Dynamic Web Page Development using PHP and MySQL

## .Net Essentials Suite

### Core .Net Suite

Course ID	# days	Level	Course Title
TTO402	1		.NET Overview (.NET 1.1)
TTO402	1		.NET Overview .NET 2.0
TTO410	5		Object-Oriented Programming in C# (.NET 1.1)
TTO410	5		Object-Oriented Programming in C# .NET 2.0
TTO411	2		C# Essentials (.NET 1.1)
TTO411	2		C# Essentials .NET 2.0
TTO412	3		.NET Framework Using C# (.NET 1.1)
TTO412	3		.NET Framework Using C# .NET 2.0
TTO413	3		ADO.NET Using C# (.NET 1.1)
TTO413	3		ADO.NET Using C# .NET 2.0
TTO414	4		XML Programming Using C# and .NET (.NET 1.1)
TTO414	4		XML Programming Using C# and .NET .NET 2.0
TTO415	4		Windows Forms Using C# (.NET 1.1)
TTO415	5		Windows Forms Using C# .NET 2.0
TTO416	4		ASP.NET Using C# (.NET 1.1)
TTO416	5		ASP.NET Using C# .NET 2.0
TTO418	4		Web Services Using C# and ASP.NET (.NET 1.1)
TTO418	4		Web Services Using C# and ASP.NET .NET 2.0
TTO420	5		Object-Oriented Programming in VB.NET (.NET 1.1)
TTO420	5		Object-Oriented Programming in Visual Basic .NET 2.0
TTO421	2		VB.NET Essentials (.NET 1.1)
TTO421	2		Visual Basic Essentials .NET 2.0
TTO422	3		.NET Framework Using VB.NET (.NET 1.1)
TTO422	3		.NET Framework Using Visual Basic .NET 2.0
TTO423	3		ADO.NET Using VB.NET (.NET 1.1)
TTO423	3		ADO.NET Using VB.NET .NET 2.0
TTO424	4		XML Programming Using VB.NET (.NET 1.1)
TTO424	4		XML Programming Using Visual Basic and .NET .NET 2.0
TTO425	4		Windows Forms Using VB.NET (.NET 1.1)
TTO425	5		Windows Forms Using Visual Basic .NET 2.0
TTO426	4		ASP.NET Using VB.NET (.NET 1.1)
TTO426	5		ASP.NET Using Visual Basic .NET 2.0
TTO428	4		Web Services Using VB.NET and ASP.NET (.NET 1.1)
TTO428	4		Web Services Using Visual Basic and ASP.NET .NET 2.0
TTO431	2		C++/CLI Essentials .NET 2.0
TTO432	3		.NET Framework Using C++/CLI .NET 2.0

### MCTS .Net Suite

Course ID	# days	Course Title
TTOCS5	5	.NET Framework Foundations Using C# .NET 2.0
TTOCS11	5	Windows Clients Using C# .NET 2.0
TTOCS12	3	ADO.NET for Windows Applications Using C# .NET 2.0
TTOCS13	3	XML for Windows Applications Using C# .NET 2.0
TTOCS21	5	Web Clients Using C# and ASP.NET .NET 2.0
TTOCS22	3	ADO.NET for Web Applications Using C# .NET 2.0
TTOCS23	3	XML for Web Applications Using C# .NET 2.0
TTOCS31	4	.NET Distributed Applications Using C# .NET 2.0



**Other .Net Courses**

Course ID	# days	Course Title
TTO405	1	Test-Driven Development Using NUnit .NET 2.0
TTO413C2	3	ADO.NET Using Oracle and C# .NET 2.0
TTO443	5	Oracle Applications Using ADO.NET and C# .NET 2.0
TTO461	2	New Features in .NET 2.0 Using C# .NET 2.0
TTO463	3	Windows Presentation .NET 3.0
TTO471	2	New Features in .NET 2.0 Using VB.NET .NET 2.0

**Best Defense Seminars Series - .Net**

*(See Security Page for Additional Courses)*

Course ID	#of Days	Skill Level	Course Title (** See bottom of list for notes about tools)
TT8000	1	1	Understanding Application Security
TT8020	1	1	Understanding Web Application Security
TT8100	2	1	Secure Application Development Seminar (Language Neutral Edition)
TT8100-N	2	1+	Secure .Net Application Development Seminar
TT8120	2	1+	Secure Web Application Development Seminar (Language Neutral Edition)
TT8120-N	2	1+	Secure .Net Web Application Development Seminar

**Best Defense Secure Programming Series for .Net (Hands-On)**

*(See Security Page for Additional Courses)*

Course ID	#of Days	Skill Level	Course Title (** See bottom of list for notes about tools)
TT7040	2	1+	Understanding Secure SOA - A Technical Overview
TT8150	2	2	Best Defense: SOA Security
TT8200-N	3	1+	Secure .Net Coding
TT8205-N	4	2	Secure .Net Coding - Lifecycle
TT8320-N	3	2	Securing .Net Web Applications
TT8325-N	4	2	Securing .Net Web Applications -Lifecycle
TT8500-N	4	2	Securing .Net Web Services
TT8600	3	2	Secure Software Design
TT8610-J	4	2	Building Secure Software Systems (Java / J2EE edition)
TT8700	2	2	Database Hacking: Securing Databases

## Best Defense: Secure Programming & Design Suite

### Best Defense Seminars Series

Course ID	#of Days	Skill Level	Course Title (** See bottom of list for notes about tools)
TT8000	1	1	Understanding Application Security
TT8020	1	1	Understanding Web Application Security
TT8100	2	1	Secure Application Development Seminar (Language Neutral Edition)
TT8100-J	2	1+	Secure Java Application Development Seminar (for Java 5 or Java 6)
TT8100-N	2	1+	Secure .Net Application Development Seminar
TT8120	2	1+	Secure Web Application Development Seminar (Language Neutral Edition)
TT8120-J2EE	2	1+	Secure J2EE Web Application Development Seminar
TT8120-JEE	2	1+	Secure JEE / JavaEE Web Application Development Seminar
TT8120-N	2	1+	Secure .Net Web Application Development Seminar

### Best Defense Secure Programming Series (Hands-On)

Course ID	#of Days	Skill Level	Course Title (** See bottom of list for notes about tools)
TT7040	2	1+	Understanding Secure SOA - A Technical Overview
TT8150	2	2	Best Defense: SOA Security
TT8200-J	3	1+	Secure Java Coding (for Java 5 or Java 6)
TT8200-N	3	1+	Secure .Net Coding
TT8205-J	4	2	Secure Java Coding - Lifecycle (for Java 5 or Java 6)
TT8205-N	4	2	Secure .Net Coding - Lifecycle
TT8320-J2EE	3	2	Securing J2EE Web Applications
TT8320-JEE	3	2	Securing JEE / JavaEE Web Applications
TT8320-N	3	2	Securing .Net Web Applications
TT8325-J2EE	4	2	Securing J2EE Web Applications - Lifecycle
TT8325-JEE	4	2	Securing JEE / JavaEE Web Applications - Lifecycle
TT8325-N	4	2	Securing .Net Web Applications -Lifecycle
TT8500	4	2	Securing Web Services (Language Neutral Edition)
TT8500-J2EE	4	2	Securing J2EE Web Services
TT8500-JEE	4	2	Securing JEE / JavaEE Web Services
TT8500-N	4	2	Securing .Net Web Services
TT8600	3	2	Secure Software Design
TT8610-J	4	2	Building Secure Software Systems (Java / J2EE edition)
TT8700	2	2	Database Hacking: Securing Databases

### STIG Security Training Series - Security Technical Implementation Guides

TT8800	1	1	Information Assurance (STIG) Overview
TT8810	4	2	Application Security and Development (STIG) Training
TT8815	2	2	Application Services (STIG) Training
TT8820	3	2	Database Security (STIG) Training

**Product Specific Training - IBM WebSphere & Rational Tools (RAD and More)**

**IBM WebSphere (WAS 6. / WAS 6.1) / Rational Application Developer (RAD6, RAD7 or RAD 7.5) Training**

**WebSphere Application Server Administration, Performance Tuning and Monitoring Training**

Course ID	#of Days	Skill Level	Course Title (available in RAD6 or RAD7)
TT9000-W61	1	1	Understanding WebSphere (WAS 6.0/6.1) - Technical Overview
TT9020-W51	4	2	ADMIN: IBM WebSphere Application Server 5.1 Administration (Network Deployment Edition for Windows)
TT9020-W6	5	2	ADMIN: IBM WebSphere Application Server 6.0 Administration (Network Deployment Edition for Windows)
TT9020-W61	5	2	ADMIN: IBM WebSphere Application Server 6.1 Administration (Network Deployment Edition for Windows)
TT9020-W7	5	2	ADMIN: IBM WebSphere Application Server 7.0 Administration (Network Deployment Edition for Windows)
TT9021-W6	3	2	ADMIN: Transitioning to IBM WebSphere Application Server 6.0
TT9023-W61	1	2	ADMIN: Transitioning to IBM WebSphere Application Server 6.1
TT9025-W61	3	2	ADMIN: IBM WebSphere Application Server v6.1 Performance Tuning and Monitoring
TT9027-W61	4	2	ADMIN: IBM WebSphere Application Server v6.1 Application Administration
TT9028-W61	5	3	ADMIN: IBM WebSphere Application Server v6.1 Advanced Administration (Windows)

**General WebSphere and Rational Application Developer (RAD) Tooling and Transition Topics**

Course ID	#of Days	Skill Level	Course Title (available in RAD6 / RAD7 / RAD7.5)
TT9000	1	1	Understanding WebSphere (WAS 6.0/6.1/7.0) - Technical Overview
TT9050-R	1	1	Understanding Rational Application Developer (RAD) - Technical Overview
TT9051-R	3	1+	Core IBM Rational Application Developer (RAD6 / RAD7 / RAD7.5)
TT9055-R6	3	2	Transitioning from WSAD 5.1.2 to IBM RAD 6.x
TT9055-R7	3	2	Transitioning from WSAD 5.1.2 to IBM RAD 7.x or RAD 7.5
TT9056-R7	3	2	Transitioning from IBM RAD 6 to IBM RAD 7.x or RAD 7.5

**Application Development using RAD - Java, J2EE, JEE / JavaEE and More**

\*\*\*Note that most technology-centric (Java, J2EE, JavaEE / JEE) courses can be taught using RAD 6, RAD 7 or RAD 7.5, or WebSphere (WAS 6.0 or WAS6.1). Please see the Application Development Tracks (OO, Java, J2EE, JavaEE / JEE), Web Services / SOA Tracks or Web Development (XML, XJAX et al) for options.

Course ID	#of Days	Skill Level	Course Title (Available for RAD6, RAD7 or RAD7.5)
TT9060-R	5	1+	Java Programming Fundamentals using IBM Rational Application Developer using RAD (RAD 6, RAD7 or RAD 7.5) (Java 5 or Java 6)
TT2101-R	3	1	Fast Track to Core Java using RAD (Java 5 or Java 6)
TT2120-R	5	1	Java Programming Fundamentals for Procedural (Non-OO) Programmers (C, COBOL, 4GL) using RAD (Java 5 or Java 6)
TT5140-J2EE-R	5	1	Core Java Programming for Server Side Developers using RAD (Non-GUI, Basic Java with Intro to J2EE; Serv/JSP basics) (Java 5 or Java 6)
TT5140-JEE-R	5	1	Core Java Programming for Server Side Developers using RAD (Non-GUI, Basic Java with Intro to JEE / JavaEE; Serv/JSP basics) (Java 5 or Java 6)
TT3100-J6-R	4	2	Advanced Java 6 Programming using RAD
TT3110-J6-R	2	2	Java 6 Performance Tuning using RAD
TT5100-J2EE-R	5	1+	Developing J2EE Web Applications using RAD (RAD 6, RAD7 or RAD 7.5) (Servlets/JSP, EJB,JNDI, JDBC & More) (Skills-Centric)
TT5100-JEE-R	5	1+	Developing JavaEE / JEE Web Applications using RAD7 or RAD 7.5 (Servlets/JSP, EJB,JNDI, JDBC & More) (Skills-Centric)

TT9030-J2EE-R      5            2      Intermediate RAD7 and WAS 6.1 for J2EE Developers (Intermediate RAD tooling for RAD6, RAD7 or RAD7.5) J2EE, Serv.JSP, JDBC, JNDI - Testing, Profiling Dubugging & More

**Application Development using RAD - Java, J2EE, JEE / JavaEE and More (continued)**

Course ID	#of Days	Skill Level	Course Title (available in RAD6 or RAD7)
TT9030-JEE-R	5	2	Intermediate RAD7 and WAS 6.1 for JEE / JavaEE Developers (Intermediate RAD tooling for RAD6, RAD7 or RAD7.5) JEE, Serv.JSP, JDBC, JNDI - Testing, Profiling Dubugging & More
TT9035-J2EE-R	5	2	Developing Enterprise Java Applications using RAD (Intermediate RAD tooling for RAD6, RAD7 or RAD7.5) J2EE, JDBC, EJB, Web Svs - Testing, Profiling Dubugging & More
TT9035-JEE-R	5	2	Developing Enterprise Java Applications using RAD (Intermediate RAD tooling for RAD6, RAD7 or RAD7.5) JEE, JDBC, EJB, Web Svs - Testing, Profiling Dubugging & More
TT3200-R	5	1+	Mastering Hibernate using Rational Application Developer using RAD
TT3325-R	5	2	Mastering Spring 2.5 using RAD
TT3420-R	5	2	Integrating Hibernate and Spring 2.5 (Hibernate emphasis) using RAD
TT3425-R	5	2	Integrating Spring 2.5 and Hibernate (Spring emphasis) using RAD
TT4200-R	3	2	Core Ajax Development using RAD (RAD 6, RAD7 or RAD 7.5)
TT4201-R	4	2	Mastering Ajax using RAD (RAD 6, RAD7 or RAD 7.5)
TT4410-R	5	2	Integrating XML, Web Services & Ajax using RAD (RAD 6, RAD7 or RAD 7.5)
TT5160-J2EE-R	3	1	Core Servlet / JSP Development Fundamentals for J2EE Developers using RAD
TT5160-JEE-R	3	1	Core Servlet / JSP Development Fundamentals for JEE Developers using RAD
TT5220-R	5	3	Java 5, Struts 2 and EJB 3.0 Transition
TT5200-R	3	2	Core EJB 2.1 Development using RAD
TT5240-R	5	2	Mastering EJB 2.1 Application Development using RAD
TT5202-R	3	2	Core EJB 3.0 Development using RAD 7.5
TT5242-R	5	2	Mastering EJB 3.0 Application Development using RAD 7.5
TT5230-R	5	2	Mastering EJB 3.0 and the Java Persistence Architecture (JPA) using RAD 7.5
TT6200-R	3	2	Core Struts 1.x Development using RAD (RAD6 / RAD7 / RAD7.5)
TT6202-R	3	2	Core Struts 2 Development using RAD
TT6242-R	5	2	Mastering Struts 2 Development using RAD
TT6252-R	3	3	Advanced Struts 2 Development using RAD
TT6300-R	3	2	Core JavaServer Faces using RAD (RAD6 / RAD7 / RAD7.5)
TT6301-R	4	2	Mastering Core JavaServer Faces (JSF) using RAD (RAD6 / RAD7 / RAD7.5)
TT6380-R	5	2	Integrating JavaServer Faces (JSF), Hibernate and Spring 1.x using RAD
TT6382-R	5	2	Integrating JavaServer Faces (JSF), Hibernate and Spring 2.5 using RAD
TT6600-W	5	2	Architecting and Designing J2EE Applications with WebSphere
TT6620-W	5	2	Architecting and Designing Service-Oriented JEE / Java EE Applications using WebSphere
TT7100-W	5	2	SOA Analysis & Desing (using WebSphere)
TT7150-J2EE-R	5	2	Mastering SOA and J2EE Web Services using RAD (RAD6 / RAD7 / RAD7.5)
TT7150-JEE-R	5	2	Mastering SOA and JEE/JavaEE Web Services using RAD (RAD6 / RAD7 / RAD7.5)
TT7300-J2EE-R	3	2	Core J2EE Web Services using RAD (RAD6 / RAD7 / RAD7.5)
TT7300-JEE-R	3	2	Core JEE Web Services using RAD (RAD6 / RAD7 / RAD7.5)
TT7301-J2EE-R	4	2	Mastering Core J2EE Web Services and SOA using RAD (RAD6 / RAD7 / RAD7.5)
TT7301-JEE-R	4	2	Mastering Core JEE Web Services and SOA using RAD (RAD6 / RAD7 / RAD7.5)

TT7340-J2EE-R	5	2	Integrating J2EE, Web Services and SOA using RAD (RAD6 / RAD7 / RAD7.5)
TT7340-JEE-R	5	2	Integrating JEE, Web Services and SOA using RAD (RAD6 / RAD7 / RAD7.5)

**Application Development using RAD - Java, J2EE, JEE / JavaEE and More (continued)**

Course ID	#of Days	Skill Level	Course Title (available in RAD6 or RAD7)
TT7360-J2EE-R	5	2	Integrating XML, Web Services and SOA using RAD, for J2EE Developers (RAD6 / RAD7 / RAD7.5)
TT7360-JEE-R	5	2	Integrating XML, Web Services and SOA using RAD, for JEE Developers (RAD6 / RAD7 / RAD7.5)
TT8200-J-R	3	3	Secure Java Coding using RAD / WebSphere (Java 5 or Java 6)
TT8320-J2EE-R	4	3	Securing J2EE Web Applications (using RAD)
TT8320-JEE-R	4	3	Securing JEE / JavaEE Web Applications (using RAD)
TT8500-J2EE-R	4	3	Securing J2EE Web Services (using RAD)
TT8500-JEE-R	4	3	Securing JEE / JavaEE Web Services (using RAD)

**IBM Rational Design Courses**

Course ID	#of Days	Skill Level	Course Title (** See bottom of list for notes about tools)
TTI0104	1	1	Introduction to Rational Rose
TTI0106	1+	3	Design using UML (with Rational Rose)
TTI0107	1+	5	Analysis & Design using UML and Rational Rose
TTI0108	2	2	Introduction to ClearCase
TTI0109	1+	1	Introduction to Requisite Pro
TTI0111	2	1/2 day	Introduction to SoDA

## Eclipse / Ganymede, MyEclipse, Eclipse WTP and TomCat Training

### Tools Specific

#### Apache Web Server & TomCat Administration Training

Course ID	#of Days	Skill Level	Course Title (available in RAD6 or RAD7)
TTE9510-A	3	2	ADMIN: Core Apache WebServer Administration
TTE9510-TC	3	2	ADMIN: Core Apache TomCat Administration

### Eclipse Tools Training

Course ID	#of Days	Skill Level	Course Title (** See bottom of list for notes about tools)
TT9250-E32	3	1+	Core Eclipse 3.2
TT9250-E34	3	1+	Introduction to Eclipse 3.4 / Ganymede for Java Developers
TT9270-E	5	1+	Enterprise Application Development using Eclipse & the Web Tools Project

### Application Development using Eclipse / Ganymede, MyEclipse, WTP, etc and More

\*\*\*Note that most technology-centric (Java-J2EE-JavaEE / JEE-WebSvs) courses can be taught using Eclipse / Ganymede, MyEclipse, Eclipse Web Tool Project (WTP), TomCat and more. Please see the Application Development Tracks (OO, Java, J2EE, JavaEE / JEE), Web Services / SOA Tracks or Web Development (XML, XJAX et al) for options.

Course ID	#of Days	Skill Level	Course Title (Available for Eclipse / Ganymede, MyEclipse, WTP, etc)
TT2100-J5-E	5	1	Core Java 5 Programming for OO Developers (C++) using Eclipse
TT2100-J6-E	5	1	Core Java 6 Programming for OO Developers (C++) using Eclipse
TT2101-E	3	1	Fast Track to Core Java using Eclipse
TT2120-E	5	1	Java Programming Fundamentals for Procedural (Non-OO) Programmers (C, COBOL, 4GL) using Eclipse (Java 5 or Java 6)
TT5140-J2EE-E	5	1	Core Java Programming for Server Side Developers using Eclipse (Non-GUI, Basic Java with Intro to J2EE; Serv/JSP basics) (Java 5 or Java 6)
TT5140-JEE5-E	5	1	Core Java Programming for Server Side Developers using Eclipse (Non-GUI, Basic Java with Intro to J2EE; Serv/JSP basics) (Java 5 or Java 6)
TT3100-J6-E	4	2	Advanced Java 6 Programming using Eclipse
TT3110-J6-E	2	2	Java 6 Performance Tuning using Eclipse
TT5100-J2EE-E	5	1+	Developing J2EE Web Applications using Eclipse (Servlets/JSP, EJB,JNDI, JDBC & More) (Skills-Centric)
TT5100-JEE5-E	5	1+	Developing JavaEE / JEE Web Applications using Eclipse (Servlets/JSP, EJB,JNDI, JDBC & More) (Skills-Centric)
TT3200-E	5	1+	Mastering Hibernate using Rational Application Developer using Eclipse
TT3325-E	5	2	Mastering Spring 2.5 using Eclipse
TT3420-E	5	2	Integrating Hibernate and Spring 2.5 (Hibernate emphasis) using Eclipse
TT3425-E	5	2	Integrating Spring 2.5 and Hibernate (Spring emphasis) using Eclipse
TT4200-E	3	2	Core Ajax Development using Eclipse
TT4201-E	4	2	Mastering Ajax using Eclipse
TT4410-E	5	2	Integrating XML, Web Services & Ajax using Eclipse
TT5160-E	3	1	Core Servlet / JSP Development using Eclipse
TT6200-E	3	2	Core Struts 1.x Development using Eclipse
TT6202-E	3	2	Core Struts 2 Development using Eclipse
TT6242-E	5	2	Mastering Struts 2 Development using Eclipse
TT6252-E	3	3	Advanced Struts 2 Development using Eclipse
TT6300-E	3	2	Core JavaServer Faces using Eclipse
TT6301-E	4	2	Mastering Core JavaServer Faces (JSF) using Eclipse
TT6380-E	5	2	Integrating JavaServer Faces (JSF), Hibernate and Spring 1.x using Eclipse
TT6382-E	5	2	Integrating JavaServer Faces (JSF), Hibernate and Spring 2.5 using Eclipse
TT7150-E	5	2	Mastering SOA And Web Services using Eclipse



**Application Development using Eclipse / Ganymede, MyEclipse, WTP, etc and More (continued)**

<b>Course ID</b>	<b>#of Days</b>	<b>Skill Level</b>	<b>Course Title (Available for Eclipse / Ganymede, MyEclipse, WTP, etc)</b>
TT7300-E	3	2	Core Web Services using Eclipse
TT7301-E	4	2	Mastering Core Web Services and SOA using Eclipse
TT7340-E	5	2	Integrating J2EE, Web Services and SOA using Eclipse
TT7360-E	5	2	Integrating XML, Web Services and SOA using Eclipse
TT8200-J	3	3	Secure Java Coding (using Eclipse)
TT8320-J	4	3	Securing J2EE Web Applications (using Eclipse)
TT8500-J	4	3	Securing J2EE Web Services (using Eclipse)

## Oracle JDeveloper & WebLogic Application Development Training: Java, J2EE, JEE/JavaEE

### Application Development using Oracle JDeveloper - Java, J2EE, JEE / JavaEE and More

\*\*\*Note that most technology-centric (Java-JD2EE-JDavaEE / JEE-WebSvs) courses can be taught using Oracle JDeveloper 10 or 11.

Please see the Application Development Tracks (OO, Java, J2EE, JavaEE / JEE), Web Services / SOA Tracks or Web Development (XML, XIAX et al) for options.

Course ID	#of Days	Skill Level	Course Title
TT2100-JD	5	1	Core Java Programming for OO Developers using JDeveloper (Java 5 or 6)
TT2101-JD	3	1	Fast Track to Core Java using JDeveloper
TT2120-JD	5	1	Java Programming Fundamentals for Procedural (Non-OO) Programmers (C, COBOL, 4GL) using JDeveloper (Java 5 or Java 6)
TT2200-JD	2	1	Mastering JDBC using Oracle
TT5140-J2EE-JD	5	1	Core Java Programming for Server Side Developers using JDeveloper (Non-GUI, Basic Java with Intro to J2EE; Serv/JSP basics) (Java 5 or Java 6)
TT5140-JEE5-JD	5	1	Core Java Programming for Server Side Developers using JDeveloper (Non-GUI, Basic Java with Intro to JEE; Serv/JSP basics) (Java 5 or Java 6)
TT3100-J6-JD	4	2	Advanced Java 6 Programming using JDeveloper
TT3110-J6-JD	2	2	Java 6 Performance Tuning using JDeveloper
TT5100-J2EE-JD	5	1+	Developing J2EE Web Applications using JDeveloper (Servlets/JSP, EJB,JNDI, JDBC & More) (Skills-Centric)
TT5100-JEE5-JD	5	1+	Developing JavaEE / JEE Web Applications using JDeveloper (Servlets/JSP, EJB,JNDI, JDBC & More) (Skills-Centric)
TT3200-JD	5	1+	Mastering Hibernate using JDeveloper
TT3325-JD	5	2	Mastering Spring 2.5 using JDeveloper
TT3420-JD	5	2	Integrating Hibernate and Spring 2.5 (Hibernate emphasis) using JDeveloper
TT3425-JD	5	2	Integrating Spring 2.5 and Hibernate (Spring emphasis) using JDeveloper
TT4200-JD	3	2	Core Ajax Development using JDeveloper
TT4201-JD	4	2	Mastering Ajax using JDeveloper
TT4410-JD	5	2	Integrating XML, Web Services & Ajax using JDeveloper
TT5160-JD	3	1	Core Servlet / JSP Development using JDeveloper
TT5220-JD	5	3	Java 5, Struts 2 and EJB 3.0 Transition
TT5200-WLS	3	2	Core EJB 2.1 Development using WebLogic
TT5240-WLS	5	2	Mastering EJB 2.1 Application Development using WebLogic
TT6200-JD	3	2	Core Struts 1.x Development using JDeveloper
TT6202-JD	3	2	Core Struts 2 Development using JDeveloper
TT6242-JD	5	2	Mastering Struts 2 Development using JDeveloper
TT6252-JD	3	3	Advanced Struts 2 Development using JDeveloper
TT6300-JD	3	2	Core JavaServer Faces using JDeveloper
TT6301-JD	4	2	Mastering Core JavaServer Faces (JSF) using JDeveloper
TT6380-JD	5	2	Integrating JavaServer Faces (JSF), Hibernate and Spring 1.x using JDeveloper
TT6382-JD	5	2	Integrating JavaServer Faces (JSF), Hibernate and Spring 2.5 using JDeveloper
TT6600-WLS	5	2	Architecting and Designing J2EE Applications with Oracle WebLogic
TT6620-WLS	5	2	Architecting and Designing Service-Oriented JEE / Java EE Applications using Oracle WebLogic
TT7100-WLS	5	2	SOA Analysis & Design (using WebLogic)
TT7150-JD	5	2	Mastering SOA And Web Services using JDeveloper
TT7300-JD	3	2	Core Web Services using JDeveloper
TT7301-JD	4	2	Mastering Core Web Services and SOA using JDeveloper
TT7340-JD	5	2	Integrating J2EE, Web Services and SOA using JDeveloper
TT7360-JD	5	2	Integrating XML, Web Services and SOA using JDeveloper

### Application Development using Oracle JDeveloper - Java, J2EE, JEE / JavaEE and More

Course ID	#of Days	Skill Level	Course Title
TT8200-J-JD	3	3	Secure Java Coding using JDeveloper / WebLogic
TT8320-J-JD	4	3	Securing J2EE Web Applications (using JDeveloper)
TT8500-J-JD	4	3	Securing J2EE Web Services (using JDeveloper)

### Oracle Application Server - Administration, SQL, PL/SQL & JDeveloper Training

#### Oracle WebLogic Application Server Administration Training

Course ID	#of Days	Skill Level	Course Title
TT9110-B81	3	2	ADMIN: Fast Track to Core WebLogic 8.1 Administration
TT9110-B9	3	2	ADMIN: Fast Track to Core WebLogic 9.2 Administration
TT9110-BX	3	2	ADMIN: Fast Track to Core WebLogic 10 Administration
TTW9120-B81	5	2	ADMIN: Mastering Oracle WebLogic Application Server v8.1 Administration
TTW9120-B9	5	2	ADMIN: Mastering Oracle WebLogic Application Server v9.2 Administration
TTW9120-B10	5	2	ADMIN: Mastering Oracle WebLogic Application Server v10 Administration
TTW9130-B81	5	2	ADMIN: Advanced Oracle WebLogic Application v 8.1 Server Administration
TTW9130-B9	5	2	ADMIN: Advanced Oracle WebLogic Application v 9.2 Server Administration
TTW9130-BX	5	2	ADMIN: Advanced Oracle WebLogic Application v 10.x Server Administration
TTW9180-BX	3	2	ADMIN: WebLogic 10 Performance Tuning

#### Oracle / SQL Essentials (for Oracle 9i, 10g or 11g)

Course ID	#of Days	Skill Level	Course Title
TTAT1500	3	1	Oracle 10g SQL Basics and SQL*Plus Essentials
TTAT1505	5	2	Oracle 10g Essentials: SQL & SQL*Plus Basics and PL/SQL
TTAT1510	2	2	Oracle 10g: Intermediate SQL
TTAT1515	3	2	Oracle 10g: Advanced SQL
TTAT1520	3	1	Oracle 10g SQL for Business or Data Analysts
TTAT1550	5	2	Oracle 10g Foundations: SQL and SQL*Plus
TTAT1650	3	2	Oracle 10g SQL Tuning for Developers
TTAT1655	4	2	Oracle 10g Advanced SQL and SQL Tuning for Developers

#### Oracle PL / SQL Essentials (for Oracle 9i, 10g or 11g)

Course ID	#of Days	Skill Level	Course Title
TTAT2500	2	1+	Oracle 10g Introduction to PL/SQL Programming
TTAT2510	3	2	Oracle 10g Intermediate PL/SQL
TTAT2520	5	1+	Oracle 10g PL/SQL Foundations

#### Oracle Application Developer and Tools Courses

Course ID	#of Days	Skill Level	Course Title
TTMO121	5	2	Oracle Forms
TTMO221	4	2	Oracle Reports
TTMO250	5	2	Oracle Application Express (HTML DB)
TTMO251	3	2	Advanced Oracle Application Express (APEX)
TTMO261-O10	5	1+	Oracle JDeveloper 10g
TTMO281-O10	3	1+	Oracle 10g New Features for Developers
TTMO283-O11	3	1+	Oracle 11g New Features for Developers

### Oracle Database Administrator (DBA) Courses

Course ID	#of Days	Skill Level	Course Title
TTAT3000	5	1+	Oracle 10g DBA I - Database Administration & Architecture (Non-Certified)
TTMO311	5	2	Oracle DBA II - Backup and Recovery
TTMO321	4	3	Oracle DBA III - Performance Tuning
TTMO340	4	2	Oracle Enterprise Manager — 10g Grid Control
TTMO370	3	2	Oracle Database Security
TTMO140	4	1+	Data Modeling
TTMO381	5	1+	Oracle 10g New Features for DBAs
TTMO382	5	1+	Oracle 11g New Features for DBAs (5 days)
TTMO390	5	2	Oracle Real Application Clusters — RAC
TTMO401	5	2	Oracle Application Server Administration

### Oracle Training - eBusiness, Discoverer and Fusion Middleware

#### Oracle 11i eBusiness Suite

Course ID	#of Days	Skill Level	Course Title
TTMO600	1	1	Navigate Oracle Applications
TTMO601	2	1	Oracle eBusiness Suite Essentials
TTMO610	4	2	Oracle Workflow
TTMO615	3	2	Oracle BI Publisher (formerly XML Publisher)
TTMO620	5	2	Extend OA Framework with JDeveloper
TTMO630-O11	4	2+	Oracle 11i System Administration

#### Oracle Discoverer Suite (9i, 10i, B1)

Course ID	#of Days	Skill Level	Course Title
TTMO230	0.5	2	Oracle Discoverer Viewer
TTMO231	2	2	Oracle Discoverer Plus
TTMO233	2	2	Oracle Discoverer Desktop
TTMO242	2	2	Oracle Discoverer Administration

#### Oracle / Fusion Middleware Suite

Course ID	#of Days	Skill Level	Course Title
TTMO270	5	2	Oracle Warehouse Builder
TTMO275	2	2	Oracle BI Server Administration
TTMO276	1	2	Oracle BI Server Configuration
TTMO290	2	2	Oracle BI Dashboarding and Answers
TTMO401	5	2	Oracle Application Server Administration
TTMO411	5	2	Oracle Portal Development
TTMO615	3	2	Oracle BI Publisher (formerly XML Publisher)

**\*\*Please see our Application Development Suite for a full range of Java & J2EE courses, all of which may be offered using Oracle Application Server and / or Oracle JDeveloper.**



## Other Programming Topics

### C++ Programming Training

Course ID	# days	Course Title
TTO142	5	Visual C++ Windows Programming for C Programmers
TTO153	5	C++ Programming for Non-C Programmers
TTO154	3	The C++ Standard Template Library
TTO156	5	C++ Programming for C Programmers
TTO157	5	Advanced C++ Programming
TTO160	5	C++ Intensive for Non-C Programmers
TTO431	2	C++/CLI Essentials
TTO432	3	.NET Framework Using C++/CLI

### COM and COM+ (for C++ Programmers) Training

Course ID	# days	Course Title
TTO120	3	COM Programming Fundamentals Using ATL
TTO123	5	Programming COM and DCOM Using ATL
TTO125	5	Programming COM and ActiveX Using ATL
TTO127	5	Programming COM and OLE Using MFC
TTO129	3	COM+ Programming Using Visual C++

### Perl & Python Topics

Course ID	# days	Course Title
TTEP100	3	Introduction to Perl Scripting
TTEP101	5	Mastering Perl Programming
TTEY101	3	Introduction to Python



## O/S Training - UNIX, Linux & Windows

### Linux Training

Course ID	# days	Course Title
TTEL101	3	Intro to Linux
TTEL301	5	Linux System Administration
TTEL302	2	DNS and DHCP Administration
TTEL303	1	Secure Shell Administration
TTEL304	2	Linux Network Security with iptables
TTEL305	1	Pluggable Authentication Modules Administration
TTEL306	3	Apache Web Server Administration
TTEL307	1	SAMBA Administration
TTEL308	1	Ksh to Bash Migration
TTEL309	4	Intermediate Linux & Bash Shell Scripting
TTEL310	1	Linux Anti-Spam Tools

### Unix Topics

Course ID	# days	Course Title
TTCU100	3	Introduction to UNIX
TTEU201	4	Intermediate Unix & Korn Shell Scripting
TTEU205	2	Advanced Shell Scripting
TTEU301	5	Unix System Administration
TTEU401	2	awk programming
TTEU501	1	vi text editor
TTEU601	3	Unix sendmail Administration
TTEU602	1	Unix procmail Administration
TTEU703	3	Advanced Unix Network Services

### Windows and MFC Training

Course ID	# days	Course Title
TTO134	5	NT Programming for C Programmers
TTO142	5	Visual C++ Windows Programming for C Programmers
TTO145	5	MFC Windows Programming for C++ Programmers
TTO146	5	Advanced Windows Programming Using Visual C++



## Mainframe & DB2 Training

### CICS, DB2, IMS, TSO

Course ID	#of Days	Course Title (** See bottom of list for notes about tools)
TTCM100	2	ANSI SQL: Introduction
TTCM110	5	CICS: Advanced
TTCM115	5	CICS/TS Programming (Formerly called CICS/ESA Programming)
TTCM200	25+	Boot Camp: COBOL Entry Level Programming
TTCM201	5-8 days	COBOL for Programmers
TTCM202	2	COBOL II Differences
TTCM203	3	COBOL II/370/390 Debugging
TTCM300	2	Data Modeling
TTCM301	3	DB2 Design and Tuning
TTCM302	5	DB2/SQL Version 8 and 9 Application Development
TTCM303	5	Advanced DB2/SQL Application Programming
TTCM304	5	DB2 UDB Database Administration
TTCM305	1-2 days	DB2 UDB Fundamentals
TTCM400	5	IMS Database Application Development (IMS DB)
TTCM401	1-2 days	IMS Fundamentals
TTCM402	3	IMS MFS (Message Formatting Service)
TTCM403	3	IMS Transaction Manager Programming - IMS TM Programming
TTCM404	3	IMS TM Programming (Formerly called IMS DC)
TTCM405	5	ISPF Dialog Developer (Formerly called TSO ISPF Dialog Manager)
TTCM500	5	JCL (z/OS MVS JCL)
TTCM510	5	z/OS MVS JCL
TTCM600	1	MVS/ESA and OS/390 Overview
TTCM610	3-4 days	MVS/TSO REXX
TTCM700	5	Introduction to PL/I Programming
TTCM710	5	Intermediate/Advanced PL/I Programming
TTCM800	3	QMF Workshop
TTCM810	2	Advanced SQL
TTCM820	3	TSO CLIST Programming
TTCM830	5	TSO ISPF Dialog Manager (Currently called ISPF Dialog Developer)
TTCM840	4	TSO/ISPF PDF
TTCM850	2	VSAM COBOL Programming
TTCM860	3	VSAM/IDCAMS Utility

### Mainframe Topics: CICS Tools & Utilities Training

Course ID	#of Days	Course Title (** See bottom of list for notes about tools)
TTCT900	1	Abend-AID/FX for CICS
TTCT910	1	Abend-AID TSO
TTCT920	1	CompareX
TTCT930	1	File-AID for IMS
TTCT940	3	File-AID MVS 8.9
TTCT960	2-3 days	XPEDITER/CICS Debugging Version 8.2 and 8.0
TTCT970	2	Xpediter for DB2
TTCT980	1-2 days	Xpediter/TSO

### Mainframe Topics for Web Developers

Course ID	#of Days	Course Title (** See bottom of list for notes about tools)
TTCT950	1	Mainframe Fundamentals for Distributed and Web Programmers

## Software Engineering & Testing Suite

### Software Engineering Suite

Course ID	# days	Skill Level	Course Title
TTRS300	4	1+	Approaches to Software Engineering
TTRS301	4	1+	Approaches to Software Development
TTRS302	4	1+	Developing Quality Requirements
TTRS1300	4	1	Gathering & Defining User Requirements with UML Use Cases
TTRS304	2	1+	Requirements Management
TTRS305	4	1+	Software Configuration Management
TT1615	1	1	SCM and Continuous Integration - A Technical Overview
TTRS306	4	1+	Effective Software Testing Methods
TTRS328	2	1+	Successful Acceptance Testing
TTRS308	4	1+	Software Quality Assurance
TTRS309	3	1	Software Project Management
TTRS310	2	1	Software Project Estimation
TTRS312	4	1	Introduction to the Capability Maturity Model (CMMI) Framework
TTRS314	2	1+	Software Inspection Methods
TTRS950	4	1	Code Complete
TTRS318	4	1	Understanding and Using the Unified Process
TTRS319	2	2	Project Retrospectives
TTRS320	4	1	Creating the Systems Architecture
TTRS321	2	1+	Understanding Model Driven Architecture
TTRS323	3	1+	Managing Mid-Sized Software Projects
TTRS324	4	1+	Building a Quality Software Architecture
TTRS329	4	2	Rapid Application Development: Prototyping for Results
TTRS330	2	1+	Using DOORS 7.1 for Requirement Management
TTRS332	5	1+	Systems Engineering & Systems Engineering Management
TTRS900	4	2	Solutions and Responsibilities in Software Security
TTRS338	2	2	Joint Application Development (JAD) Best Practices
TTRS340	2	1+	Joint Application Requirements (JAR)

### Agile Development

**NOTE: The Agile courses below are available for courseware license as well as classroom instruction.**

Course ID	#of	Skill Level	Course Title (** See bottom of list for notes about tools)
TT1515	1	1	IMPACT Series: Agile Development Essentials - A Technical Overview
TTR311	4	1	Adopting Agile Software Development Practices

### Test Driven Development Suite

**NOTE: The TDD courses below are available for courseware license as well as classroom instruction.**

Course ID	#of	Skill Level	Course Title (** See bottom of list for notes about tools)
TTR313	2	1	Implementing Agile Test Driven Development
TT3500	4	2	Mastering Test Driven Development Using JUnit
TT3510	3	1	Core Test Driven Development using JUnit (Level1)
TT3520	3	2	Advanced Test Driven Development (Level 2)
TT3530	3	2	Implementing Agile Test Driven Development for Non-Programmers

**Business Analysis Training**

Course ID	#of Days	Skill Level	Course Title
TTRB101	2	no pre-req	Communications and Networking for Business Professionals
TTRB102	3	no pre-req	IT Overview for Business Professionals
TTRB103	4	1	The Roles, Responsibilities and Processes of the Business Analyst
TTRB104	2	1	Management of Technology
TTRB106	2	2	Supporting FrontLine Customer Relations Managers Role
TTRB107	2	1	FrontLine Customer Relations
TTRB108	3	3	Analyzing and Documenting Business Processes
TTRB109	3	3	Advanced Business Analysis
TTRB115	2	2+	Advanced Requirements Elicitation Techniques
TTRB116	2	3	Advanced Methods of Analysis
TTRB132	3	3	Managing IT Risks
TTRB155	4	1	Effective Business Communications and Negotiations
TTRB157	2	1	Influence Skills
TTRB302	4	1	Developing Quality Requirements
TTRB303	4	1	Defining Requirements with UML Use Cases
TTRB306	2-4 days	1	Effective Software Testing Methods
TTRB326	3	2+	Writing Functional Requirements with Structured Use Case Descriptions
TTRB327	1	2	Structured Use Case Descriptions Workshop
TTRB328	2	2	Successful Acceptance Testing

**ITIL / ITSM Training Series**

*Ask about our online learning and certification options.*

Course ID	#of Days	Skill Level	Course Title
TT-ITIL-01	1		ITIL V3 Orientation Executive Overview
TT-ITIL-02	Custom		ITIL V3 Simulation - Polestar™ ITSM Simulation
TT-ITIL-03	3		ITIL V3 Certification - Foundation
TT-ITIL-04	3		ITIL V3 Certification - Service Lifecycle - Strategy
TT-ITIL-05	3		ITIL V3 Certification - Service Lifecycle - Design
TT-ITIL-06	3		ITIL V3 Certification - Service Lifecycle - Transition
TT-ITIL-07	3		ITIL V3 Certification - Service Lifecycle - Operation
TT-ITIL-08	3		ITIL V3 Certification - Service Lifecycle - Continual Service Improvement
TT-ITIL-09	5		ITIL V3 Certification - Service Capability - Planning, Protection & Optimization
TT-ITIL-10	5		ITIL V3 Certification - Service Capability - Service Offerings & Agreements
TT-ITIL-11	5		ITIL V3 Certification - Service Capability - Release, Control & Validation
TT-ITIL-12	5		ITIL V3 Certification - Service Capability - Operational Support & Analysis
TT-ITIL-13	5		ITIL V3 Certification - Managing Across the Lifecycle
TT-ITIL-14	2		ITIL V3 Certification - Foundation Bridge
TT-ITIL-15	5		ITIL V3 Certification - Service Manager Bridge
TT-ITIL-16	1		ITIL V2 Orientation - Executive Overview
TT-ITIL-17	3		ITIL V2 Certification - Foundation
TT-ITIL-18	5		ITIL V2 Certification - Practitioner IPSR
TT-ITIL-19	5		ITIL V2 Certification - Practitioner IPRC
TT-ITIL-20	5		ITIL V2 Certification - Practitioner IPAD
TT-ITIL-21	5		ITIL V2 Certification - Practitioner IPPi
TT-ITIL-22	13		ITIL V2 Certification - Service Manager
TT-ITIL-23	4		ITIL V2 Implementation Workshop - Service Desk, Incident & Problem
TT-ITIL-24	4		ITIL V2 Implementation Workshop - Change, Configuration & Release
TT-ITIL-25	4		ITIL V2 Implementation Workshop - Service Level & Financial Management
TT-ITIL-26	4		ITIL V2 Implementation Workshop - Availability, Capacity & Continuity

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