

Course Format: Online

Approximate Study Time: 1250 Hours

Spread the payments for this course over 4 monthly payments.
1 initial payment of £100, followed by 3 monthly payments of £50

The **Technical IT Series** is a wide range of online Courses designed to cover a huge knowledge of Technical IT Skills, including Programming, Networking and PC Maintenance.

This series includes a number of courses for which you can get internationally recognised industry certification such as the **CCNA** (Cisco Certified Network Associate), and the **CompTia A+, Network+, Security+** and **Server+ Certification**.

When you sign up for the Microsoft Series you receive access to all of the courses listed below for only £250.00 for a one year Period.

If you only want to study 1 course on the list then you can buy any individual course for only £60.00.

Some of courses listed can lead to a industry recognised examination. Any courses which correspond to an examination will also have the appropriate exam number listed, e.g. Cisco BCMSN (640-811) Course.

Online Course Features:

- Flash-based instructional demonstrations applying course concepts.
- Instructional audio with graphics highlighting key points.
- Exercises allow learners to practice in the actual application being studied.
- Supplied sample files include sample documents, application files, programs, and programming code that enable learners to practice with these files, enhancing the learning experience.
- A Course Topics list contains active hyperlinks, permitting quick access to specific topics.
- Find-A-Word allows learners to look up an unfamiliar term in the Glossary, on the Web, or in a dictionary. In addition, it lets them find other occurrences of the term in the same course.
- Search text enables learners to rapidly search all text within a course to easily retrieve information required.
- Courses challenge the learner with a variety of question formats, including multi-step simulations, true/false, multiple choice, and fill-in-the-blank.
- Bookmarking tracks the learner's progress in a course.

How do the courses work?

Shortly after you have signed up for the Series, we will email you with your start up information, a receipt and your username and password.

All you then need to do is then go to the Course Log-In page and enter your information and you will get instant access to this wide range of exciting, engaging and successful e-learning courses. You then have one year to access the course materials online, so when you want to study, just Log in and off you go...

You can get a **Free Trial** of selected End User and Technical series lessons. Visit our www.distance-learning-centre.co.uk Website for further information.

System Requirements:

All you need to complete these courses is an Internet Ready PC and Microsoft Internet Explorer. You are required to install Macromedia Authorware Player on accessing the course.

PLEASE NOTE: We do not supply any software with the course, so you will require your own versions of any software covered in the course materials.



When you sign up for this series, you will get access to the following online courses for a one-year period:

➤ C PROGRAMMING COURSE

This Course is for programmers who want to learn ANSI C. It covers the use of numeric variables, constants, and operators to manipulate C expressions, writing, compiling, and testing programs, arrays, and control statements. The Course also covers pointers and variable scope concepts. Advanced topics include the function library, memory management, and pre-processor directives.

The course covers the following Lessons: C in 21 Days: Week 1; C in 21 Days: Week 2; and C in 21 Days: Week 3.



➤ CISCO BCMSN (640-811) COURSE

The Cisco BCMSN 640-811 Course is designed to help learners prepare and take the qualifying exam for the Cisco Certified Network Professional CCNP® as well as the Cisco Certified Design Professional CCDP® certifications. The BCMSN exam (642-811) will test materials covered under the new Building Cisco Multilayer Switched Networks (BCMSN) CCNP course. The exam will certify that the successful candidate has important knowledge and skills necessary to build scalable multilayer switched networks; create and deploy a global intranet, and implement basic troubleshooting techniques in environments that use Cisco multilayer switches for client hosts and services. The exam covers topics on switching technology, implementation and operation, planning and design, and troubleshooting.

The course covers the following Lessons: Switched Networks, VLANs & Trunks; Spanning Tree Protocol; Enhancements to STP; Multilayer Switching; Availability & Redundancy; Multicasts; Network Quality of Service; QoS Configuration & Verification; MSL Optimisation & Security; Metro Ethernet; and Practice Exams.

➤ CISCO BCMSN (640-812) PRACTICE EXAMS

This series presents questions that will help students master the Building Converged Cisco Multilayer Switched Networks BCMSN 642-812 exam. The feedback for each question provides in-depth background on the topic, including why each incorrect option was wrong and what to look for in correct answers.

The course covers the following Lessons: Practice Exam 1; Practice Exam 2; and Practice Exam 3.

➤ CISCO BCMSN (642-821) COURSE

The Cisco BCMSN 642-821 Course is designed to help learners prepare and take the qualifying exam for the Cisco Certified Network Professional CCNP® certification. The BCMSN exam certifies that students have acquired the understanding and skills necessary to successfully design, develop, configure, operate and troubleshoot remote access solutions.

The course covers the following Lessons: WAN Technologies, Components & AAA Security; PPP Authentication & Network Address Translation; Modems & Asynchronous Connections; Using ISDN Connections; Using Frame Relay Connections; Dial on Demand & Broadband; Enabling Back up Connections & Management of Traffic; Securing the Network with VPNs; and Practice Exams.

➤ CISCO BSCI (642-801) COURSE

This Course is designed to help learners prepare and take the Cisco Certified Network professional exam 642-801: Building Scalable Cisco Internetworks. The Course explains how to install, configure and monitor LANS and WANS from 100 to 500 nodes. Learners are taught the principles of routing, how to extend IP addresses, and how to implement OSPF in a single area and interconnect OSPF area. The Course also covers how to apply integrated IS-IS, how to employ enhanced IGRP, how to configure BGP protocol and scale BGP networks, and how to optimise routing updates and implement successful route redistribution.

The course covers the following Lessons: Routing Principals; Extended IP Addresses; Implementing OSPF in a Single Area; Interconnecting OSPF Areas; Applying Integrated IS-IS; Employing Enhanced IGRP; Configuring Border Gateway Protocol; Scaling BGP Networks; Routing Update Optimisation & Redistribution; and Practice Exams.

➤ CISCO BSCI (642-901) COURSE

This Course presents questions that will help students master the Building Scalable Cisco Internetworks BSCI 642-901 exam. The feedback for each question provides in-depth background on the topic, including why each incorrect option was wrong and what to look for in correct answers.

The course covers the following Lessons: EIGRP Operations; Multiarea SOPF Operations; Intergrated IS-IS; CISCO IOS Routing Features; BGP for Enterprise ISP Connectivity; Multipcast Forwarding; IPv6; Practice Exam 1; Practice Exam 2; Practice Exam 3; and Practice Exam 4.

➤ CISCO CCDA (640-863) COURSE

This Course provides extensive practice for the Cisco Certified Network Associate (CCNA) 640-863 exam. Questions are presented in the same style and cover the same topics as the actual exam. Students will test their knowledge, and then receive comprehensive information about the question topic and the possible answers that were presented.

The course covers the following Lessons: Network Design Methodology; Network Structure and Modularity; Basic Enterprise Campus Networks; Enterprise Edge and Remote Network Modules; IP Addressing and Routing Protocols; Security Services; Voice Networking Considerations; Wireless Networking Considerations; Practice Exam 1; Practice Exam 2; Practice Exam 3; and Practice Exam 4.



➤ CISCO CCNA (640-801) COURSE - OLD SYLLABUS

This Course is designed to help learners prepare and take the Cisco Certified Network Associate exams 640-821: Introduction to Cisco Networking Technologies, 640-811: Interconnecting Cisco Networking Devices, and the combined exam, 640-801: Cisco Certified Network Associate. This Course explains how to install, configure, and monitor Cisco switches and routers. Learners are taught the functions of each layer in the Open Systems Interconnect Model, LAN protocols and switching methods, IP Addressing, and WAN protocols. Finally, learners are taught how to configure VLANs, establish Point-to-Point connections, configure ISDN, establish Frame Relay connections, and manage IP traffic with Access Lists.

The course covers the following Lessons: The Open Systems Interconnect Model (OSI) ; Hardware and the OSI Reference Model; Wide Area Network Protocols; TCP/IP Technologies; Understanding Layer 2 Switching Technologies; Understanding Layer 3 Routing Technologies; Configuring a Cisco Switch; Configuring a Cisco Router; Creating & Applying Additional Router Configurations; and Practice Exams.

➤ CISCO CCNA (640-802) COURSE – NEW SYLLABUS

The Cisco Certified Network Associate (CCNA) certification is Cisco's popular network certification that tests a network administrator's ability to set up and maintain network systems. Candidates for the CCNA can qualify for the certification by passing one test, 640-802, or two tests, 640-816 and 640-822. This study guide prepares you for the 640-802 test. Practice exams are also included, which will allow you to answer questions in the same format that the test will use on exam day, and will provide in-depth instructional feedback on each question to thoroughly cover every subject you'll need to master.

The course covers the following Lessons: Networking Fundamentals; Network Models; Concepts in IP Addressing; Working with Cisco Equipment; Managing Your Router; Basic Catalyst Switch Operations and Configuration; Introduction to WANs; Wireless LANs; Basic Network Security; Basic Routing; Small-Office Internet Connection; Advanced Catalyst Switch Operations and Configuration; IP Access Lists; Advanced Routing; Advanced WANs; Advanced IP Concepts; Practice Exam 1; Practice Exam 2; and Practice Exam 3.

➤ CISCO CIT (642-831) COURSE

The Cisco Related CIT 642-831 Course is designed to help learners prepare for Cisco's Internet Troubleshooting Support Exam (CIT 642-831). This Course provides a general overview of establishing a baseline, determining an effective troubleshooting strategy, resolving problems at the physical and data link layers, resolving problems at the network layer, and resolving problems at the transport and application layers.

The course covers the following Lessons: Networking Principles & Technologies; TCP/IP; Windows Troubleshooting; The Physical and Data Link Layers; Virtual LANs; Serial Links; Routing Protocols; ISDN; and Practice Exams.

➤ CISCO ICND1 (640-822) COURSE

The Cisco Certified Network Associate (CCNA) certification is Cisco's popular networking certification that tests an network administrator's ability to set up and maintain network systems. Candidates for the CCNA can qualify for the certification by passing one test, 640-822, or two tests, 640-816 and 640-822. This study guide prepares you for the 640-822 test.

The course covers the following Lessons: Networking Fundamentals; Network Models; Concepts in IP Addressing; Working with Cisco Equipment; Managing Your Router; Basic Catalyst Switch Operations and Configuration; Introduction to WANs; Wireless LANs; Basic Network Security; Basic Routing; and Small-Office Internet Connection.

➤ CISCO ICND2 (640-816) COURSE

The Cisco Certified Network Associate (CCNA) certification is Cisco's popular networking certification that tests an network administrator's ability to set up and maintain network systems. Candidates for the CCNA can qualify for the certification by passing one test, 640-816, or two tests, 640-816 and 640-822. This study guide prepares you for the 640-816 test.

The course covers the following Lessons: Advanced Catalyst Switch Operations and Configuration; IP Access Lists; Advanced Routing; Advanced WANs; and Advanced IP Concepts.

➤ CISCO ISCW (642-825) COURSE

This Course presents questions that will help students master the Implementing Secure Converged Wide Area Networks ISCW 642-825 exam. The feedback for each question provides in-depth background on the topic, including why each incorrect option was wrong and what to look for in correct answers.

The course covers the following Lessons: Basic Teleworker Services; Frame-Mode MPLS; Site-to-Site IPsec VPN; Network Security Strategies; Cisco Device Hardening; Cisco IOS Firewall; Cisco IOS Intrusion Protection System; Practice Exam 1; Practice Exam 2; and Practice Exam 3.

➤ CISCO ONT (642-845) COURSE

This Course presents questions that will help students master the Optimizing Converged Cisco Networks ONT 642-845 exam. The feedback for each question provides in-depth background on the topic, including why each incorrect option was wrong and what to look for in correct answers.

The course covers the following Lessons: Cisco VoIP Implementations; QoS Considerations; DiffServ QoS Implementations; AutoQoS; WLAN Security and Management; Practice Exam 1; Practice Exam 2; Practice Exam 3; and Practice Exam 4.

➤ CISSP SECURITY PROFESSIONAL COURSE

This Course helps a learner prepare to take and pass the Certified Information Systems Security Professional (CISSP) exam. This course, like the exam, covers ten domains of information system security knowledge including access control systems and methodology, network and telecommunications security, security management and practices, applications and systems development security, cryptography, security and architecture models, operations security, business continuity and disaster recovery planning, law, investigation, and ethics, as well as physical security.

The course covers the following Lessons: Access Control Systems & Methodology; Telecommunications & Network Security; Security Management & Practices; Applications and Systems Development Security; Cryptography, Security Architecture and Security Models; Operations Security; Business Continuity and Disaster Recovery Planning; Law, Investigation, Ethics & Physical Security; and Practice Exams.

➤ CLIENT/SERVER TECHNOLOGY FOR MANAGERS COURSE

This Course is an executive briefing on client/server technology. It provides a conceptual framework to help make decisions about client/server computing.

The course covers the following Lesson: C/S Technology for Managers;

➤ **COMPTIA A+ ESSENTIAL (220-601) COURSE**

This Course provides extensive practice for the CompTIA A+ Essentials 220-601 exam. Questions are presented in the same style and cover the same topics as the actual exam. Students will test their knowledge, then receive comprehensive information about the question topic and the possible answers that were presented.

The course covers the following Lessons: Computer Components; Operating Systems; Diagnosing Problems; Laptops and Portable Devices; Printers and Scanners; Networks; Security; Safety, Environment, and Customer Issues; Practice Exam 1; Practice Exam 2; Practice Exam 3; Practice Exam 4; Practice Exam 5; and Practice Exam 6.



➤ **COMPTIA A+ IT TECHNICIAN (220-602) COURSE**

This Course provides extensive practice for the CompTIA A+ IT Technician 220-602 exam. Questions are presented in the same style and cover the same topics as the actual exam. Students will test their knowledge, then receive comprehensive information about the question topic and the possible answers that were presented.

The course covers the following Lessons: Installing and Configuring PC Components; Troubleshooting and Preventive Maintenance; Advanced PC Troubleshooting; Portable Computer Fundamentals; Maintaining and Repairing Portable Computers; Major Windows Structures; Optimizing Operating Systems; Operating System Utilities; Basic OS Troubleshooting and Maintenance; Printers and Scanners; Troubleshooting Printer Problems; Wide Area Networking; Network Troubleshooting; Security; Safety and Environmental Issues; Professionalism and Communication; Practice Exam 1; Practice Exam 2; Practice Exam 3; Practice Exam 4; and Practice Exam 5.

➤ **COMPTIA A+ REMOTE SUPPORT TECHNICIAN (220-603) COURSE**

This Course provides extensive practice for the CompTIA A+ Remote Support Technician 220-603 exam. Questions are presented in the same style and cover the same topics as the actual exam. Students will test their knowledge, then receive comprehensive information about the question topic and the possible answers that were presented.

The course covers the following Lessons: Installing and Configuring PC Components; Troubleshooting and Preventive Maintenance; Advanced PC Troubleshooting; Major Windows Structures; Optimizing Operating Systems; Operating System Utilities; Installing Local Area Networks; Wide Area Networking; Network Troubleshooting; Security; Professionalism and Communication; Practice Exam 1; Practice Exam 2; Practice Exam 3; Practice Exam 4; Practice Exam 5; and Practice Exam 6.

➤ **COMPTIA A+ DEPOT TECHNICIAN (220-604) COURSE**

This Course provides extensive practice for the CompTIA A+ Depot Technician 220-604 exam. Questions are presented in the same style and cover the same topics as the actual exam. Students will test their knowledge, then receive comprehensive information about the question topic and the possible answers that were presented.

The course covers the following Lessons: Troubleshooting and Preventive Maintenance; Advanced PC Troubleshooting; Portable Computer Fundamentals; Maintaining & Repairing Portable Computers; Printers & Scanners; Troubleshooting Printer Problems; Security; Safety and Environmental Issues; Advanced PC Component Installations and Upgrades; Practice Exam 1; Practice Exam 2; Practice Exam 3; Practice Exam 4; Practice Exam 5; and Practice Exam 6.

➤ **COMPTIA NETWORK+ 2005 SYLLABUS (N10-003) COURSE**

This Course provides both theoretical and practical information about the topics covered on the CompTIA Network+ 2005 exam, Learners will learn the layers of the OSI model, features and functions of network components and the skills needed to install, configure, and troubleshoot basic networking hardware peripherals and protocols.

The course covers the following Lessons: Network Fundamentals and Operating Systems; Network Media; Network Devices; Wireless Technologies; The OSI Model; TCP/IP Fundamentals; TCP/IP Configuration & Utilities; Network & Remote Access Service; Network Infrastructure & Security; Fault Management & Disaster Recovery; and Troubleshooting.

➤ **COMPTIA SECURITY+ (SY0-101) COURSE**

This Course helps prepare the learner for the Security+ exam. It teaches the learner about general security concepts, communication security, infrastructure security, some basics of cryptography, and operational and organisational security. It also provides the learner with a practice exam that includes questions in a format similar to what the learner will encounter when taking the exam.

The course covers the following Lessons: Exam Basics; General Security Concepts; Remote Access and Wireless LANs; E-Mail, Internet, and File Security; Infrastructure Security; Security Baselines; Cryptography; Operational Security; Organisational Security; and Practice Exam.

➤ **COMPTIA SERVER+ (SK0-002) COURSE**

CompTIA's Server+ certification offers industry recognition of server administration, troubleshooting, and management. This Course equips you with all you need to know in order to pass the 2005 edition of the Server+ test (SK0-002). Learners will be presented with an up-to-date look at current server networking strategies from both the installation and servicing perspectives.

The course covers the following Lessons: Network Terminology and Operating Systems; Servers, Bus Structures, and Caching; Memory; Data Storage Systems; Interfacing with the Network; Installing Network Hardware; Upgrading BIOS and Installing the Operating System; Preventing Disaster; and Practice Exam.

➤ **DATA WAREHOUSING COURSE**

This Course provides an overview of the use and administration of data warehouses. It covers the components of data warehouses and explains data models and optimisation. It also examines the different roles in a data warehouse, and covers how to effectively design, implement, and manage a data warehouse.

The course covers the following Lessons: Concepts; and Management.

➤ **DB2 UNIVERSAL DATABASE COURSE**

This Course provides a practical approach to learning how to use DB2 Universal Database and helps prepare learners for the DB2 Certification Exam (Exam 700). Learners will explore how to use various applications to access DB2 data and how to use tools to administer the database.

The course covers the following Lessons: Features of DB2; Installing and Configuring DB2; DB2 Instances, Server Communications, and Clients; Data Security and Database Creation; Creating Table Spaces and Accessing Data; SQL and Design Considerations; System Tools and Recovery Concepts; Moving and Replicating Data; and Monitoring DB2 Performance.

➤ **FOCUS COURSE**

This Course is designed for both FOCUS end users and application developers. It covers basic FOCUS concepts and terminology, its file structure, and the Master File Description. It details application developer facilities, and covers using FOCUS with TED, creating reports, graphs, and file definitions, and looks at data manipulation and screening techniques. Additional topics include accessing file definitions, using MODIFY requests, and the Dialogue Manager, FIDEL, and MAINTAIN facilities.

The course covers the following Lessons: Getting Started; Working with FOCUS; Basic Report Preparation; Creating Simple Reports; Creating Complex Reports; Additional Reporting Techniques; Fundamentals of Graphs; Advanced Graph Topics; Data Manipulation for Reporting; Advanced Screening Techniques; Creating File Definitions; Adjusting File Definitions; Accessing External Files; Basic MODIFY Requests; Segment Modification; Complex MODIFY Requests; Additional File Maintenance; Dialogue Manager and FIDEL; More Features of FIDEL; MAINTAIN Facility; and Completing a MAINTAIN Application.

➤ **ITIL VERSION 2 FOUNDATION CERTIFICATE (EX0-100) PRACTICE EXAMS**

This Course provides extensive practice for the ITIL Version 2 Foundation Certificate in IT Service Management (EX0-100) exam. Questions are presented in the same style and cover the same topics as the actual exam. Students will test their knowledge, then receive comprehensive information about the question topic and the possible answers that were presented.

The course covers the following Lessons: Practice Exam 1; Practice Exam 2; and Practice Exam 3.

➤ **ITIL VERSION 3 FOUNDATION CERTIFICATE (EX0-101) COURSE**

The Information Technology Infrastructure Library (ITIL) is a standard for IT services best practices that are widely adopted across the globe. This study guide Course will cover all of the knowledge needed for the exam for the ITIL Foundation Certificate, which demonstrates your knowledge and mastery of the ITIL system. Practice exams are also included, which will allow you to answer questions in the same format that the test will use on exam day, and will provide in-depth instructional feedback on each question to thoroughly cover every subject you'll need to master.

The course covers the following Lessons: Service Management; Service Lifecycle; Generic Concepts; Key Principles and Models; Selected Processes; Selected Functions; Selected Roles; Technology and Architecture; ITIL Qualification Scheme; Practice Exam 1; Practice Exam 2; Practice Exam 3; and Practice Exam 4.

➤ **LINUX COURSE**

This Course provides a general overview of the Linux operating system. Topics include partitioning and the boot process, basic system configuration, file management, and text stream processing. The Course also covers user management, group management, and file permissions. Administrative tasks covered in this Course include basic job scheduling utilities, as well as system backup strategies and strategies for system documentation and user support.

The course covers the following Lessons: Partitions and the Boot Process; File Management; GNU and Linux Commands; File System Maintenance; Users and Groups; Text Streams; Permissions; Administration & Documentation; and Backup and Restore.

➤ **LINUX RED HAT TECHNICIAN RHCT (RH202) COURSE**

This Course provides both theoretical and practical information about the topics covered on the Red Hat Certified Technician exam. Learners will learn how to install and configure Linux Red Hat, as well as how to perform routine administrative and maintenance tasks.

The course covers the following Lessons: RHCT Prerequisites; Installation; Advanced Installation; Basic Configuration & Administration; Kernel, User & Recovery Administration; The X Window System; Linux Network Clients; and Practice Exam.

➤ **NOTES 5 PROGRAMMING COURSE**

This Course provides an in-depth study of Lotus Notes R5. It provides an introduction to the application's interface and navigation, and covers personal organisation utilities such as email, calendars, meetings and appointments, and Address Books in detail. Also covered is the use of Lotus Notes to browse the Web and manage documents. Advanced topics include searching databases, folder creation and management, views, agents, and database replication. An overview of using Notes remotely is also provided in this Course.

The course covers the following Lessons: Designing in Domino; Pages and Forms; Organising Info; Scripting; LotusScript; and Java.

➤ **NOVELL 560 CNE COURSE**

This Course is designed to help users prepare for the Novell CNE 5 Test 050-639 or CNI Test 050-839. It introduces networking concepts and provides an overview of the administration of NetWare 5. Topics covered include Novell Directory Services, protocol configurations, installation of Novell client software, and the file system. Also covered in this Course is NDS and file security, including controlling access to objects, rights, and user context and resource access. Additional topics include application distribution and management using ZENworks and Novell Application Launcher, policy packages, the Help Requester, and distributed printing.

The course covers the following Lessons: NetWare Basics; Installation; Using NDS; File System; NDS Security; File Security; ZENworks; Advanced ZENworks; and Distributed Printing.

➤ **NOVELL 570 CNE ADVANCED ADMINISTRATION COURSE**

This Course teaches users how to administer NetWare 5 and also prepares users to take the Novell CNE 5 Test #050-640 or CNI Test #050-840. Users will learn about upgrading and migrating to NetWare 5, managing the server, optimizing performance, and using IP. In addition, they will learn about file systems, storage, queue-based printing, remote access, the FastTrack Internet server, and other topics related to NetWare 5.

The course covers the following Lessons: Upgrading or Migrating; Managing the Server; The File System; NSS and Backup; Memory and PCU Performance; and Disk and Network Performance.

➤ **OBJECT-ORIENTATED ANALYSIS AND DESIGN COURSE**

This Course provides an overview of object orientation and describes the process for developing object oriented programming. It explains the development stages of object-oriented programming and how to manage the relationships and hierarchies between objects. It also explains the creation of object-oriented design and analysis systems, including the functions of the object-class, structure, subject, attribute, and service layers. It discusses the concepts of moving from analysis to design, and designing an object oriented system using the Problem Domain component, the Human Interaction component, and the Data Management component.

The course covers the following Lessons: Intro; and System.

➤ **OOP USING C++ COURSE**

This Course is designed for programmers who want to learn C++ to develop object-oriented programs. It covers the parts of a C++ program, variables, constants, expressions, statements, and functions, and examines classes and objects and how these components work in the program flow. The Course also discusses pointers, references, arrays, inheritance, and functions. Advanced topics covered include streams, templates, exceptions and error handling, libraries, and object-oriented analysis and design.

The course covers the following Lessons: Using C++: Week 1; OOP Using C++: Week 2; and OOP Using C++: Week 3.



➤ **ORACLE COURSE**

This Course presents the common features shared by the Oracle Developer/2000 suite of tools, including Forms 4.5, Reports 2.5, Graphics 2.5, and Procedure Builder 1.5. It covers navigation of the development environment and describes editing and debugging features, as well as features that provide object orientation, integration, and OLE2 support. The Course covers each tool in greater detail, examining the capabilities and functions of each. Advanced topics covered include the development of applications using Forms and Reports, and the integration of Oracle applications through a single point of entry for the user.

The course covers the following Lessons: Introduction to PL/SQL; Overview of Developer/2000; Forms 4.5 and Reports 2.5; Graphics 2.5 and Procedure Builder 1.5; Developer/2000 Applications; and Developer/2000 Integration.

➤ **ORACLE 10G ADMINISTRATION COURSE**

Oracle's new 10g database leverages the power of grid computing to spread tasks across multiple low cost machines. Learners will be able to install and maintain an Oracle 10g database in an effective, efficient manner. Topics such as the interaction among Oracle components, an understanding of Oracle's architecture, performance monitoring, database security, user management, and backup and recovery techniques are covered.

The course covers the following Lessons: Oracle Architectural Components; Oracle Server Introduction; Database Architecture, Creation, and Interfaces; Database Control and Storage Structures; Managing Users and Schemas; Data Management; PL/SQL; Database Security Management; Oracle Net Services; Oracle Shared Server; Database Performance Monitoring; Database Maintenance; Database Undo Management; Database Locking Conflicts; Database Backup and Recovery Concepts; Database Backups; and Database Recovery.

➤ **ORACLE 10G DATABASE ADMINISTRATION II 1Z0-043 COURSE**

The Oracle Database 10g: Administration II study guide will prepare you for the test to be certified as an Oracle Certified Professional, Oracle Database 10g Administrator. Questions are presented in the same style and cover the same topics as the actual exam. Students will test their knowledge, then receive comprehensive information about the question topic and the possible answers that were presented. This Course has more courses coming soon. Please check back later for even more information on this topic.

The course covers the following Lessons: Using Globalisation Support Objectives; Configuring Recovery Manager; Recovering from User Errors; Dealing with Database Corruption; Automatic Database Management; Using Recovery Manager; Recovering from Non-Critical Losses; Monitoring and Managing Storage; Automatic Storage Management; Monitoring and Managing Memory; Database Recovery; Flashback Database; Managing Resources; Automating Tasks with the Scheduler; Practice Exam 1; Practice Exam 2; Practice Exam 3; Practice Exam 4; and Practice Exam 5.

➤ **ORACLE8 COURSE**

This Course introduces users to the Oracle 8 relational database management system. It examines its main components and installation, and discusses concepts related to database design, creation, and management, including creating, modifying, and managing table spaces. Management of files and user accounts is also examined, along with table views and indexes. Advanced topics covered in this Course include Oracle processes, job queues, and security monitoring. Data backup and recovery and database replication are also discussed in detail.

The course covers the following Lessons: Installing Oracle; Database Management; Building Databases; Files, Data, and Users; Database Schema Objects; Processes and Security; and Backup and Recovery.

➤ **ORACLE9i DATABASE FUNDAMENTALS (1Z1-031) COURSE**

This Course is designed to help users who have experience with relational databases, SQL, and networking prepare for the Oracle 9i 1Z1-031 exam. Users will be introduced to the major components of an Oracle server and the database structure, and will learn how to create and manage such components as databases, instances, tablespaces, tables, datafiles, storage units, undo data, tables, indexes, data integrity, users, profiles, privileges, and roles.

The course covers the following Lessons: Oracle Architecture and Tools; Managing Instances and Creating Databases; Managing the Database Structure; Managing Tablespaces and Datafiles; Managing Storage Structures and Undo Data; Managing Tables; Managing Indexes and Data Integrity; Managing Users and Profiles; Managing Privileges and Roles; and Exam Preparation.

➤ **ORACLE9i DATABASE FUNDAMENTALS II (1Z1-032) COURSES**

This study guide will prepare you to take one of the two required Oracle9i tests to be certified as an Oracle Certified Professional, Oracle9i Database Administrator. Questions are presented in the same style and cover the same topics as the actual exam. Students will test their knowledge, then receive comprehensive information about the question topic and the possible answers that were presented.

The course covers the following Lessons: Networking Overview; Basic Oracle Net Architecture; Basic Oracle Net Server-Side Configuration; Basic Oracle Net Services Client-Side Configuration; Usage and Configuration of the Oracle Shared Server; Backup and Recovery Overview; Instance and Media Recovery Structures; Configuring the Database Archiving Mode; Oracle Recovery Manager Overview and Configuration; User-Managed Backups; RMAN Backups; User-Managed Complete Recovery; RMAN Complete Recovery; User-Managed Incomplete Recovery; RMAN Incomplete Recovery; RMAN Maintenance; Recovery Catalog Creation and Maintenance; Transporting Data Between Databases; Loading Data into a Database; Practice Exam 1; Practice Exam 2; Practice Exam 3; Practice Exam 4; and Practice Exam 5.

➤ **ORACLE9i SQL (1Z0-007) COURSE**

This Course is designed to help those who have some experience with relational databases to prepare for the Oracle9i 1Z0-007 exam.

The course covers the following Lessons: Introduction to SQL; Intermediate Queries; Queries with Single-Row Function; Combining Tables; Grouping and Summarising Data; Advanced Queries & Views; Working with Data; Creating Tables and Constraints; Database Objects and User Security; SQL*Plus & iSQL*Plus Reporting and PL/SQL; and Practice Exam.

➤ **ORACLE9i DATABASE PERFORMANCE TUNING (1Z1-033) COURSE**

This study guide will prepare you to take one of the two required Oracle9i tests to be certified as an Oracle Certified Professional, Oracle9i Database Administrator. Practice exams are also included, which will allow you to answer questions in the same format that the test will use on exam day, and will provide in-depth instructional feedback on each question to thoroughly cover every subject you'll need to master.

The course covers the following Lessons: Performance Tuning Overview; Sizing the Buffer Cache; Sizing Other SGA Structures; Monitoring and Detecting Lock Contention; Using Oracle Blocks Efficiently; Diagnostic and Tuning Tools; Database Configuration and I/O Issues; Optimizing Sort Operations; Tuning Oracle Shared Server; Application Tuning; SQL Statement Tuning; Sizing the Shared Pool; Diagnosing Contention for Latches; Tuning the Operating System and Using Resource Manager; Practice Exam 1; Practice Exam 2; Practice Exam 3; and Practice Exam 4.

➤ **POWERBUILDER 9 ADVANCED DEVELOPMENT COURSE**

This Course describes the changes and additions learners will encounter when they move from earlier versions to PowerBuilder. It addresses the use of tools such as OrcaScript, InfoMaker, and DataWindows.

The course covers the following Lessons: Source Code Control; Deploying Applications & Using InfoMaker; Coding Techniques; Techniques for Using DataWindows; and Graphic DataWindows & XML DataWindows.

➤ **RATIONAL UNIFIED PROCESS COURSE**

The Rational Unified Process Course is designed to provide learners with an introduction to the RUP software engineering process and framework. The Course explains the software development principles behind the RUP and shows learners how to apply the RUP in their own organisations.

The course covers the following Lessons: Understanding the RUP; Inception & Elaboration Phases; Construction & Transition Phases; Adopting the RUP; Planning an Iterative Project; RUP for Project Managers, Analysts & Architects; and RUP for Developers & Testers.

➤ **RDBMS FUNDAMENTALS COURSE**

This Course provides an introduction to relational database management systems. The Course covers basic types of databases, data integrity, the relational model, entity relationship modelling, normalisation, and performance measurement.

The course covers the following Lesson: Database Principles.

➤ **RPG IV PROGRAMMING COURSE**

This Course introduces the users to RPG IV, the popular AS/400 and iCourse programming language. The users will learn about the history.

The course covers the following Lessons: Introduction to RPG; Getting Started with RPG; Defining Data; Arithmetic Operations; Flow of Control; Externally Described Files; File Access and Record Manipulation; Interactive applications; Tables and Arrays; Modular Programming; Advanced Data Definition; Advanced Techniques; and Maintaining the Past.

➤ **SAS COURSE**

This Course introduces users to the SAS system, the basic data concepts and the structure of the SAS programming language. It discusses the basic statements used when coding SAS programs, using the SAS log to troubleshoot coding errors, and the different modes for executing SAS. The Course also covers optional statements used to modify data, and statements and options available to program features in the DATA step. Creating specialised output and basic statistical procedures are also covered. Additional topics examined include using Display Manager to run SAS jobs interactively, SAS data libraries, using SQL in SAS, and combining and updating SAS data sets.

The course covers the following Lessons: Introduction; Using SAS; Data Manipulation; DATA Step Programming; Results; Display Manager System; Data Libraries; Inputting Data and PROC SQL; and Combining and Updating Data Sets.

➤ **SAS 8 Course**

This Course introduces users to the SAS 8 system, the basic data concepts and the structure of the SAS programming language. It discusses the basic statements used when coding SAS programs, using the SAS log to troubleshoot coding errors, and the different modes for executing SAS. The Course also covers optional statements used to modify data, and statements and options available to program features in the DATA step. Creating specialised output and basic statistical procedures are also covered. Additional topics examined include using Display Manager to run SAS jobs interactively, SAS data libraries, using SQL in SAS, and combining and updating SAS data sets.

The course covers the following Lessons: Introduction; Using SAS; Data Manipulation; DATA Step Programming; Results; Display Manager System; Data Libraries; Inputting Data and PROC SQL; and Combining and Updating Data Sets.

➤ **Solaris 8 System Administrator (310-011) Course**

This Course provides comprehensive coverage of Solaris 8 system administration; it is designed to help users prepare for the Sun Certified System Administrator for Solaris 8 Operating Environment, Part I exam. It covers basic topics such as installation methods, the boot process, and system shut down. The OpenBoot environment and architecture are discussed, along with the use of user and group logon accounts, and software package administration. System security and protection of data is covered, including remote connection. An introduction to Solaris processes and their management is provided, and file systems, files, and directories are covered in detail. Additional topics covered in this Course include disk configuration, backup and recovery, the viEditor, shell programming, and print administration. The Course concludes with a practice exam that helps the user self-assess readiness for the certification exam.

The course covers the following Lessons: Installation, Initialisation, and Shutdown; The Boot Process and Boot PROM; User and Software Package Administration; System Security and Remote Connection; Process Control; File Systems, Files, and Directories; Disk Configuration; Backup and Recovery; vi Editor and Command Syntax; LP Print Service; and Practice Exam.

➤ **SOLARIS 9 SYSTEM ADMINISTRATOR (310-014/310-015) COURSE**

This Course helps the learner prepare for the two exams required to obtain the Sun Certified System Administrator for Solaris 9 certification (310-014 and 310-015). After taking the Course, learners will be able to perform essential system administration procedures and administer a networked server running on the Solaris operating system.

The course covers the following Lessons: Installation & Maintenance; The User Environment & Security System; File & Disk Administration; Backups Printing & the Network Environment; Access Control, Syslog & Advanced Disk Management; Network File System and Name Services; and Practice Exams.

➤ **SQL FOR THE WINDOWS ENVIRONMENT COURSE**

SQL is the most widely-used database language. Acquiring a good working knowledge of SQL is an important skill for anyone who interacts with databases. Short, focused lessons start with simple data retrieval and progress to complex topics such as using joins, subqueries, stored procedures, and table constraints.

The course covers the following Lessons: Introduction to Databases and SQL; Filtering Data; Calculations & Functions; Summarising Data; Groups & Queries; Joins; Data & Tables; Views & Stored Procedures; Transaction Processing & Cursors; and Advanced SQL Functions.

➤ **SUN JAVA 2 DEVELOPER SCJD CX-310-252A/CX-310-027 COURSE**

This Course shows learners how to design, create, test, and submit an application that meets the standards for the programming assignment portion of Sun's Java 2 Developer certification. It also explains the format and objectives of the essay exam portion of the Java 2 Developer certification.

The course covers the following Lessons: Designing the Application; Creating the Application; Completing the Application; and Exam Resources.

➤ SYBASE COURSE

This Course is designed to introduce database administrators to using and managing Sybase System 11. It covers an overview of Sybase SQL Server, the client/server system model, and the tools and components of Sybase System 11. It discusses using SQL Server to create, manage, and access database information, and the tasks and commands of a system administrator.

The course covers the following Lessons: Introduction to Sybase; Using SQL Server; System Administration; User Administration; Programming with T-SQL; Querying Databases with T-SQL; and T-SQL Commands.

➤ UML 2.0 COURSE

The UML 2.0 Course is designed to provide learners with an introduction to the Unified Modeling Language. This Course teaches learners how to illustrate object-oriented systems by using various types of UML diagrams, such as class diagrams, sequence diagrams, state machine diagrams, and activity diagrams.

The course covers the following Lessons: Understanding UML; Working with Class Diagrams; Working with Common Diagrams; and Working with Specialised Diagrams.

➤ UNIX SYSTEMS COURSE

This Course presents the features of UNIX that are most useful to new users, as well as system administration tasks and process management. Basic features discussed include logging in and out, file administration, command processing, displaying text, and using mail. UNIX shells - Bourne, Korn, and C - are presented, including a comparison of their advantages and disadvantages, and writing basic shell programs that include repetitions, conditional statements, and functions. Many system administration tasks are discussed, including installation, file systems, user accounts, system accounting, performance monitoring, device management, and security. Advanced topics covered in the Course include how to control UNIX programs, how to start and kill programs, and prioritizing processes.

The course covers the following Lessons: Introduction to UNIX; Shells: Bourne, Korn, and C; Shell Programming; System Administration I; System Administration II; and Process Management.

➤ VISUAL BASIC 2005 COURSE

This Course introduces learners to the Microsoft .NET programming environment and teaches how to develop productive, useful applications with the new Visual Basic 2005 programming language, leveraging your existing knowledge of Visual Basic and applying that knowledge to the .NET environment.

The course covers the following Lessons: .NET Platform Architecture; Managed Type Fundamentals; Objects, Values, and Memory; Reflection and Attributes; Delegates and Events; Asynchronous Execution; Assemblies; Windows Forms; and Code Access Security.

➤ VISUAL BASIC 6 COURSE

This Course provides an in-depth look at Visual Basic 6.0. Introductory topics covered include the Visual Basic programming process, development environment, and program structure, and creating controls and setting properties. Creating controls and coding are covered in detail, including a discussion of datatypes, literals, variables, and storing and calculating data. Coding tools and other supplied tools such as subroutines, arguments, and various functions are explored, and manipulation of data files and printing from an application is discussed. Advanced topics covered in this Course including tuning your program with additional Visual Basic tools, and preparing a Visual Basic program for distribution.

The course covers the following Lessons: Programming Basics; Controls and Coding; Coding the Details; Lists and More Controls; Using Supplied Tools; Data Files and Printing; Program Tuning; and Delivering the Program.

EXAMINATIONS:

For any of courses which lead to Industry Recognised Qualifications, you must sit the appropriate exams at a registered Prometric or Pearson VUE testing centre.

You can locate testing centres and schedule appointments on their Websites:

Prometric website – www.2test.com/

Pearson VUE - <http://pearsonvue.com/>