

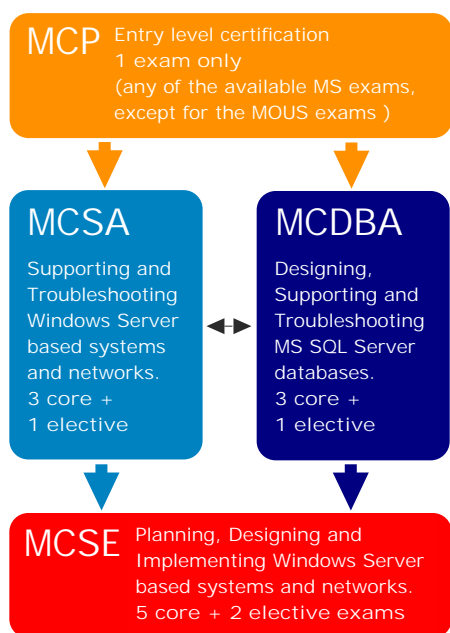
## QUICK GUIDE TO MICROSOFT CERTIFICATION

This Quick Guide explains the essentials of Microsoft certification, and contains the exams tables that you can use to quickly work out your optimal certification path.

### What is Microsoft Certification?

Microsoft currently offers four certifications for systems administrators and network professionals: **MCP**, **MCSA**, **MCDBA**, and **MCSE**.

MCP, MCSA, and MCDBA are valuable on their own, but can also be considered steps towards the next level of certification, ultimately bringing you to an MCSE.



**MCP (Microsoft Certified Professional).** Any Microsoft exam passed (except for the Office Specialists certification exam - MOUS) will earn you an MCP title.

**MCSA (Microsoft Certified Systems Administrator)** can be considered as a next step. This certification is targeted at systems/network administrators whose main responsibilities are administering, supporting and troubleshooting of the existing Windows-based systems and networks, rather than systems and networks planning and design.

**MCDBA (Microsoft Certified Database Administrator).** You may opt for MCDBA rather than MCSA if your specialization is MS SQL database development and administration.

**MCSE (Microsoft Certified Systems Engineer)** is the certification for systems/network administrators, analysts or engineers whose responsibilities are analysis, planning, design and implementation of Windows based systems and networks.

In February 2003 Microsoft announced the new MCSE and MCSA on Microsoft Windows Server 2003 Certification programs - see MCSE 2003 table (<http://www.mcseDirectory.com/mcsemcsa2003.shtml>) for more details.

It is also worth mentioning that there are Microsoft certifications available for trainers (**MCT**), developers (**MCSD**, **MCAD**) and MS Office specialists (**MOUS**).

It is possible - and often desirable - to plan your examination path in a way that ensures that all passed exams are counted towards the next level of certification. For example, you can pass one exam and become an MCP. The next three exams earn you an MCSA title, and you will only need to pass three more exams to get your MCSE. Use the exams tables below to see what exams you need to pass, and to **work out the path that best suits your needs**.

The purpose of the exams tables below is not only to list the exams that need to be passed, but also to show which exams can be counted towards the next level of certification.

Each table lists exams that can be passed to obtain one of the certifications - MCSA, MCDBA, or MCSE. The labels like (C) or [E] near an exam name indicate that the exam is also counted toward the next level of certification.

The letter "C" means that an exam is a core exam; "E" indicates an elective:

- (C) - MCSE core;      (E) - MCSE elective
- [C] - MCDDBA core;    [E] - MCDDBA elective
- {C} - MCSA core;      {E} - MCSA elective

So, for example, if there is an exam description in the **MCSA Requirements** table like this:

**Exam 70-216: (C) [E]** Implementing and Administering a MS Windows 2000 Network Infrastructure

it means that the 70-216 exam is not only an MCSA elective but also MCSE core and MCDDBA elective.

Also, please note the following:

1. Some discontinued exams still count toward Windows 2000 certifications - check Microsoft's site for more more detail.
2. Exams marked with an asterisk (\*) are scheduled to be discontinued.

### MCSA 2000 Requirements

<b>Core Exams:</b> Client OS (1 Exam Required)	<b>Exam 70-210: (C)</b> Installing, Configuring, and Administering MS Windows 2000 Professional	<b>Exam 70-270: (C)</b> Installing, Configuring, and Administering MS Windows XP
<b>Core Exams:</b> Networking Systems (2 Exams Required)	<b>Exam 70-215: (C) [C]</b> Installing, Configuring, and Administering MS Windows 2000 Server	
	<b>Exam 70-218: (E)</b> Managing a MS Windows 2000 Network Environment	
<b>Elective Exams:</b> (1 exam required)	<b>Exam 70-028: (E) [C]</b> Administering MS SQL Server 7.0	
	<b>Exam 70-081: (E) *</b> Implementing and Supporting MS Exchange Server 5.5	
	<b>Exam 70-086: (E)</b> Implementing and Supporting MS Systems Management Server 2.0	
	<b>Exam 70-088: (E) *</b> Implementing and Supporting MS Proxy Server 2.0	
	<b>Exam 70-214: (E)</b> Implementing and Administering Security in a MS Windows 2000 Network	
	<b>Exam 70-216: (C) [E]</b> Implementing and Administering a MS Windows 2000 Network Infrastructure	
	<b>Exam 70-224: (E)</b> Installing, Configuring, and Administering MS Exchange 2000 Server	
	<b>Exam 70-227: (E)</b> Installing, Configuring, and Administering MS Internet Security and Acceleration (ISA) Server 2000, Enterprise Edition	
	<b>Exam 70-228: (E) [C]</b> Installing, Configuring, and Administering MS SQL Server 2000 Enterprise Edition	
	<b>Exam 70-244: (E)</b> Supporting and Maintaining a MS Windows NT Server 4.0 Network	
	<b>CompTIA A+ and CompTIA Network+</b>	
<b>CompTIA A+ and CompServer+</b>		

### MCDBA Requirements

	SQL 7.0	SQL 2000
<b>Core Exams:</b> SQL Server Administration (1 Exam Required)	<b>Exam 70-028: (E) {E}</b> Administering MS SQL Server 7.0	<b>Exam 70-228: (E) {E}</b> Installing, Configuring, and Administering MS SQL Server 2000 Enterprise Edition
<b>Core Exams:</b> SQL Server Design (1 Exam Required)	<b>Exam 70-029: (E)</b> Designing and Implementing Databases with MS SQL Server 7.0	<b>Exam 70-229: (E)</b> Designing and Implementing Databases with MS SQL Server 2000 Enterprise Edition
<b>Core Exams:</b> Networking Systems (1 Exam Required)	<b>Exam 70-215: (C) {C}</b> Installing, Configuring, and Administering MS Windows 2000 Server	
<b>Elective Exams:</b> (1 exam required)	<b>Exam 70-015:</b> Designing and Implementing Distributed Applications with MS Visual C++ 6.0	
	<b>Exam 70-019: (E)</b> Designing and Implementing Data Warehouses with MS SQL Server 7.0	
	<b>Exam 70-155:</b> Designing and Implementing Distributed Applications with MS Visual FoxPro 6.0	
	<b>Exam 70-175:</b> Designing and Implementing Distributed Applications with MS Visual Basic 6.0	
	<b>Exam 70-216: (C) {E}</b> Implementing and Administering a MS Windows 2000 Network Infrastructure	
	<b>Exam 70-305:</b> Developing and Implementing Web Applications with Microsoft Visual Basic .NET and Microsoft Visual Studio® .NET	
	<b>Exam 70-306:</b> Developing and Implementing Windows-based Applications with Microsoft Visual Basic .NET and Microsoft Visual Studio .NET	
	<b>Exam 70-310:</b> Developing XML Web Services and Server Components with Microsoft Visual Basic .NET and the Microsoft .NET Framework	
	<b>Exam 70-315:</b> Developing and Implementing Web Applications with Microsoft Visual C# .NET and Microsoft Visual Studio .NET	
	<b>Exam 70-316:</b> Developing and Implementing Windows-based Applications with Microsoft Visual C# .NET and Microsoft Visual Studio .NET	
<b>Exam 70-320:</b> Developing XML Web Services and Server Components with Microsoft Visual C# and the Microsoft .NET Framework		

Please note, for MCDBA certification:

In the following combinations, you will receive credit for only one of the three elective exams:

- Exam 70-305 or 70-315
- Exam 70-306 or 70-316
- Exam 70-310 or 70-320

### MCSE 2000 Requirements

<b>Core Exams:</b> Client OS (1 Exam Required)	<b>Exam 70-210:</b> {C} Installing, Configuring, and Administering MS Windows 2000 Professional	<b>Exam 70-270:</b> {C} Installing, Configuring, and Administering MS Windows XP Professional
<b>Core Exams:</b> Networking System (3 Exams Required)	<b>Exam 70-215:</b> {C} [C] Installing, Configuring, and Administering MS Windows 2000 Server	
	<b>Exam 70-216:</b> {E} [E] Implementing and Administering a MS Windows 2000 Network Infrastructure	
	Exam <b>70-217:</b> Implementing and Administering a Microsoft Windows 2000 Directory Services Infrastructure	
<b>Core Exams:</b> Design (1 Exam Required)	Exam <b>70-219:</b> [E] Designing a Microsoft Windows 2000 Directory Services Infrastructure	
	Exam <b>70-220:</b> Designing Security for a Microsoft Windows 2000 Network	
	Exam <b>70-221:</b> Designing a Microsoft Windows 2000 Network Infrastructure	
	Exam <b>70-226:</b> Designing Highly Available Web Solutions with Microsoft Windows 2000 Server Technologies	
<b>Elective Exams:</b> (2 Exams required)  - continued on next page -	Exam <b>70-019:</b> [E] Designing and Implementing Data Warehouses with MS SQL Server 7.0	
	Exam <b>70-028:</b> {E} [C] Administering MS SQL Server 7.0	
	Exam <b>70-029:</b> [C] Designing and Implementing Databases with MS SQL Server 7.0	
	Exam <b>70-056:</b> * Implementing and Supporting Web Sites Using Microsoft Site Server 3.0	
	Exam <b>70-080:</b> * Implementing and Supporting Microsoft Internet Explorer 5.0 by Using the Microsoft Internet Explorer Administration Kit	
	Exam <b>70-081:</b> {E} * Implementing and Supporting MS Exchange Server 5.5	
	Exam <b>70-085:</b> * Implementing and Supporting Microsoft SNA Server 4.0	
	Exam <b>70-086:</b> {E} Implementing and Supporting Microsoft Systems Management Server 2.0	
	Exam <b>70-088:</b> {E} * Implementing and Supporting MS Proxy Server 2.0	
	Exam <b>70-214:</b> {E} Implementing and Administering Security in a MS Windows 2000 Network	
	Exam <b>70-218:</b> {C} Managing a MS Windows 2000 Network Environment	
	Exam <b>70-219:</b> Designing a Microsoft Windows 2000 Directory Services Infrastructure	
	Exam <b>70-220:</b> Designing Security for a Microsoft Windows 2000 Network	
	Exam <b>70-221:</b> Designing a Microsoft Windows 2000 Network Infrastructure	
	Exam <b>70-222:</b> Migrating from Microsoft Windows NT 4.0 to Microsoft Windows 2000	
	Exam <b>70-223:</b> Installing, Configuring, and Administering Microsoft Clustering Services by Using Microsoft Windows 2000 Advanced Server	
	Exam <b>70-224:</b> {E} Installing, Configuring, and Administering MS Exchange 2000 Server	
	Exam <b>70-225:</b> Designing and Deploying a Messaging Infrastructure with Microsoft Exchange 2000 Server	
	Exam <b>70-226:</b> Designing Highly Available Web Solutions with Microsoft Windows 2000 Server Technologies	

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*MCSE Requirements table - continued from previous page*

<b>Elective Exams:</b> (2 Exams required)  - continued from previous page -	Exam <b>70-227</b> : {E} Installing, Configuring, and Administering MS Internet Security and Acceleration (ISA) Server 2000, Enterprise Edition
	Exam <b>70-228</b> : {E} [C] Installing, Configuring, and Administering MS SQL Server 2000 Enterprise Edition
	Exam <b>70-229</b> : [C] Designing and Implementing Databases with MS SQL Server 2000 Enterprise Edition
	Exam <b>70-230</b> : Designing and Implementing Solutions with Microsoft BizTalk Server 2000 Enterprise Edition
	Exam <b>70-232</b> : Implementing and Maintaining Highly Available Web Solutions with Microsoft Windows 2000 Server Technologies and Microsoft Application Center 2000
	Exam <b>70-234</b> : Designing and Implementing Solutions with Microsoft Commerce Server 2000
	Exam <b>70-244</b> : {E} Supporting and Maintaining a MS Windows NT Server 4.0 Network

Please note, for MCSE certification:

1. Exams 70-219, 70-220, 70-221, and 70-226 may each count once as either one core design exam or one elective exam
2. In the following combinations, you will receive credit for only one of the three elective exams:
  - Exam 70-026, 70-028, or 70-228
  - Exam 70-027, 70-029, or 70-229
  - Exam 70-076, 70-081, or 70-224
  - Exam 70-078, 70-088, or 70-227

Please note: The information on this page is provided as a guide only. Certification requirements are subject to change - please consult Microsoft site for the most current information.

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