

MCAD	Richland Course	Course Title	MCAD ( Microsoft Certified Application Developer ) Requirements and Training Resources		
<b>EXAM#</b>	<b>Core Exams: Web or Windows Application Development (1 Exam Required)</b>		<b>Courses</b>	<b>NOTES</b>	
1 or	<a href="#">ITSE 1440</a>	Mastering Distributed Application Design and Development Using Microsoft Visual Studio	Exam 70–305: Developing and Implementing Web Applications with Microsoft Visual Basic® .NET and Microsoft Visual Studio® .NET	Course 2310: Developing Microsoft ASP.NET Web Applications Using Visual Studio .NET	
	<a href="#">ITSE 2459</a>	Advanced Computer Programming		Course 2389: Programming ADO.NET	
1 or	<a href="#">ITSE 1431</a>	Introduction to Visual Basic Programming	Exam 70–306: Developing and Implementing Windows-based Applications with Microsoft Visual Basic .NET and Microsoft Visual Studio .NET	Course 2565: Developing Microsoft .NET Applications for Windows (Visual Basic .NET)	Intro VB
	<a href="#">ITSE 1444</a>	Mastering Microsoft Visual Basic Development			Intermediate VB
	<a href="#">ITSE 2449</a>	Advanced Visual Basic Programming			Advanced VB
	<a href="#">ITSE 2459</a>	Advanced Computer Programming		Course 2389: Programming with Microsoft ADO.NET	
1 or	<a href="#">ITSE 1440</a>	Mastering Distributed Application Design and Development Using Microsoft Visual Studio	Exam 70–315: Developing and Implementing Web Applications with Microsoft Visual C#™ .NET and Microsoft Visual Studio .NET	Course 2310: Developing Microsoft ASP.NET Web Applications Using Visual Studio .NET	
	<a href="#">ITSE 2459</a>	Advanced Computer Programming		Course 2389: Programming with Microsoft ADO.NET	
1	<a href="#">ITSE 1422</a>	Introduction to C Programming	Exam 70–316: Developing and Implementing Windows-based Applications with Microsoft Visual C# .NET and Microsoft Visual Studio .NET	Course 2555: Developing Microsoft .NET Applications for Windows (Visual C# .NET)	Intro C#
	<a href="#">ITSE 2405</a>	Windows Programming			Intermediate C#
	<a href="#">ITSE 2455</a>	Advanced C Programming		Course 2124: Programming with C#	Advanced C#
	<a href="#">ITSE 2459</a>	Advanced Computer Programming		Course 2389: Programming with Microsoft ADO.NET	
<b>EXAM#</b>	<b>Core Exams: XML Web Services and Server Components Development (1 Exam Required)</b>		<b>Courses</b>	<b>NOTES</b>	
2 for VB	<a href="#">ITSE 1440</a>	Mastering Distributed Application Design and Development Using Microsoft Visual Studio	Exam 70–310: Developing XML Web Services and Server Components with Microsoft Visual Basic .NET and the Microsoft .NET Framework	Course 2524: Developing XML Web Services Using Microsoft ASP.NET	
	<a href="#">ITSE 2450</a>	Mastering Enterprise Development Using Microsoft Visual Basic		Course 2557: Building COM+ Applications Using Microsoft .NET Enterprise Services	VB - COM+
	<a href="#">ITSE 2459</a>	Advanced Computer Programming		Course 2389: Programming with Microsoft ADO.NET	
2 for C#	<a href="#">ITSE 1440</a>	Mastering Distributed Application Design and Development Using Microsoft Visual Studio	Exam 70–320: Developing XML Web Services and Server Components with Microsoft Visual C# and the Microsoft .NET Framework	Course 2524: Developing XML Web Services Using Microsoft ASP.NET	
	<a href="#">ITSE 1402</a>	Computer Programming		Course 2557: Building COM+ Applications Using Microsoft .NET Enterprise Services	C# -COM+
	<a href="#">ITSE 2459</a>	Advanced Computer Programming		Course 2389: Programming with Microsoft ADO.NET	
<b>EXAM#</b>	<b>Elective Exams (1 Exam Required)</b>		<b>Courses</b>	<b>NOTES</b>	
3	<a href="#">ITMC 1403</a>	Querying Microsoft SQL Server with Transact-SQL	Exam 70–229: Designing and Implementing Databases with Microsoft SQL Server 2000 Enterprise Edition	Course 2073: Programming a Microsoft SQL Server 2000 Database	
	<a href="#">ITMC 2437</a>	Programming a Microsoft SQL Server Database			