Value to individual developers

- Earning the MCAD for .NET credential demonstrates that you are up-to-date with technology and that you possess developer knowledge and skills.
- The MCAD certification represents a subset of the skills required by the Microsoft Certified Solution Developer (MCSD) for Microsoft ® Technology and software education centers. The exams required to earn the MCAD credential also count toward the MCSD for .NET credential.
- The MCAD credential enhances your professional status with clients and employers.

Value to hiring managers and organizations

- The MCAD for .NET credential promotes technical readiness for the adoption of Microsoft ® Technology and software education centers.
- MCAD training and certification can provide a reliable benchmark for hiring and promotions.
- The MCAD credential offers a career step for company developers.
- MCAD for .NET helps ensure that an organization is built on top-quality technical talent.
- When outsourcing development work, the MCAD credential provides vendor qualification assurance.

Choose your path for .NET training and MCAD certification

Our comprehensive training offerings include Microsoft ® Official Curriculum (MDC) courses delivered at a Microsoft ® Technical Education Center (MECTEC) and Self-Paced Training Kits from Microsoft Press ®. Training reflects real-world scenarios and is developed by respected and experienced training experts who work closely with Microsoft product teams.

MCAD candidates will be required to pass two core exams and one elective exam. Choose a .NET language (Visual Basic ® .NET or C# .NET) to leverage existing skills and to become familiar with the Microsoft ® Framework. Then, to fulfill the core certification requirements, pass one exam focused on either Web application development or Windows-based application development in the language of your choice. Demonstrate additional skills by passing one exam on XML Web services and server components. Finally, pass one elective exam to complete the certification.

For more information, including steps you can take toward earning the MCAD for Microsoft ® .NET credential, please visit the Microsoft ® Training & Certification Web site, or contact your local Microsoft CTEC.

www.microsoft.com/mcad
## Training courses for MCAD for Microsoft® .NET

### Gain prerequisite knowledge

1. **Choose a Programming Language**
   - **Assess your experience and current job role to choose the most appropriate entry point.**
   - **Existing Microsoft® Visual Basic® 6.0 Developers**
     - 2373: Programming with Microsoft Visual Basic .NET
   - **New to programming**
     - 2667: Introduction to Programming
     - **2559: Introduction to Visual Basic .NET Programming with Microsoft .NET** OR **2609: Introduction to C# Programming with Microsoft .NET**
   - **Existing Developers with C++ or Other Programming Languages**
     - 2124: Programming with C#

2. **Learn the Microsoft .NET Framework**
   - **OR**
   - 2415: Programming with the Microsoft .NET Framework (Visual Basic .NET)
   - **OR**
   - 2349: Programming with the Microsoft .NET Framework (Visual C# .NET)
   - **AND**
   - 2389: Programming with ADO .NET

### Prepare for MCAD core exams

3. **Build Windows® or Web Applications Using Microsoft Visual Studio® .NET**
   - **Windows Application Development**
     - 2565: Developing Microsoft .NET Applications for Windows (Visual Basic .NET)
   - **Web Application Development**
     - **Existing ASP Developers:**
       - 2640: Upgrading Web Development Skills from ASP to Microsoft ASP .NET
     - **New ASP Developers:**
       - 2310: Developing Microsoft ASP.NET Web Applications using Visual Studio .NET

4. **Build XML Web Services and Server Components**
   - **XML Web Services and Server Components Development**
     - 2557: Building COM+ Applications using Microsoft .NET Enterprise Services
     - 2524: Developing XML Web Services using Microsoft ASP .NET

### Prepare for an elective exam

- **2071: Querying Microsoft SQL Server with Transact SQL** OR **2073: Programming a Microsoft SQL Server 2000 Database** OR **2379: Developing and Deploying Microsoft BizTalk® Server 2000 Solutions** OR **2341: Fundamentals of Building a Business to Consumer Solution with Microsoft Commerce Server 2000**

### Exam requirements for MCAD for Microsoft .NET

<table>
<thead>
<tr>
<th>Core Exam Course</th>
<th>Web Application Development</th>
<th>70-305* Developing and Implementing Web Applications with Microsoft Visual Basic .NET and Microsoft Visual Studio .NET</th>
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<tbody>
<tr>
<td></td>
<td>70-315* Developing and Implementing Web Applications with Microsoft Visual C# .NET and Microsoft Visual Studio .NET</td>
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<tr>
<td>Core Exam Course</td>
<td>Windows Application Development</td>
<td>70-306* Developing and Implementing Windows-based Applications with Microsoft Visual Basic .NET and Microsoft Visual Studio .NET</td>
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<tr>
<td></td>
<td>70-316* Developing and Implementing Windows-based Applications with Microsoft Visual C# .NET and Microsoft Visual Studio .NET</td>
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</tr>
<tr>
<td>Core Exam Course</td>
<td>XML Web Services and Server Components Development</td>
<td>70-310* Developing XML Web Services and Server Components with Microsoft Visual Basic .NET and the Microsoft .NET Framework</td>
</tr>
<tr>
<td></td>
<td>70-320* Developing XML Web Services and Server Components with Microsoft Visual C# .NET and the Microsoft .NET Framework</td>
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<tr>
<th>Elective Exam Course</th>
<th>70-229 Designing and Implementing Databases with Microsoft SQL Server 2000 Enterprise Edition</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>70-230 Designing and Implementing Solutions with Microsoft BizTalk Server 2000, Enterprise Edition</td>
</tr>
<tr>
<td></td>
<td>70-234 Designing and Implementing Solutions with Microsoft Commerce Server 2000</td>
</tr>
<tr>
<td></td>
<td>70-305* If you use exam 70-305 or 70-315 to satisfy the core exam requirement, you may use either exam 70-306 or 70-316 as an elective. If you use exams 70-306 or 70-316 to satisfy a core exam requirement, you may use either exam 70-305 or 70-315 as an elective.</td>
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