Microsoft Technology Associate (MTA) Examinations

Credential Source Contact information

Source Company Name: Microsoft
Contact: Jennifer Filarski, business program manager
Phone: 425-704-7872
Email: jenniferb@microsoft.com
Website: https://docs.microsoft.com/en-us/learn/certifications/

Credential Contractor

Credential Contractor: Certiport
Contact: Nate Arnell, regional manager
Phone: 801-847-3186
Email: Nate.Arnell@pearson.com

Test Administration

Test Site

• School: Online

Can the instructor take this test?: Yes

Details: Pass any one of the following examinations to obtain this certification.

• Windows Operating Fundamentals Examination 98-349
• Software Development Fundamentals Examination 98-361
• Database Administration Fundamentals Examination 98-364
• Windows Server Administration Fundamentals Examination 98-365
• Networking Fundamentals Examination 98-366
• Security Fundamentals Examination 98-367
• Windows Devices and Mobility Fundamentals Examination 98-368
• HTML5 Application Development Fundamentals Examination 98-375
• Introduction to Programming Using Python Examination 98-381
• Introduction to Programming Using JavaScript Examination 98-382
• Introduction to Programming Using HTML and CSS Examination 98-383
• Introduction to Programming Using Java Examination 98-388
• Software Development Fundamentals Examination 98-361

Number of Test Items:

• Windows Operating Fundamentals Examination 98-349: 55
• Software Development Fundamentals Examination 98-361: 51
• Database Administration Fundamentals Examination 98-364: 51
• Windows Server Administration Fundamentals Examination 98-365: 57
• Networking Fundamentals Examination 98-366: 59-63
• Security Fundamentals Examination 98-367: 52
• Windows Devices and Mobility Fundamentals Examination 98-368: 45
• HTML5 Application Development Fundamentals Examination 98-375: 56
• Introduction to Programming Using Python Examination 98-381: 40
• Introduction to Programming Using JavaScript Examination 98-382: 39
• Introduction to Programming Using HTML and CSS Examination 98-383: 41
• Introduction to Programming Using Java Examination 98-388: 44
• Software Development Fundamentals Examination 98-361: 51

**Time allowed (minutes):**

• Windows Operating Fundamentals Examination 98-349: 50
• Software Development Fundamentals Examination 98-361: 50
• Database Administration Fundamentals Examination 98-364: 45
• Windows Server Administration Fundamentals Examination 98-365: 50
• Networking Fundamentals Examination 98-366: 50
• Security Fundamentals Examination 98-367: 50
• Windows Devices and Mobility Fundamentals Examination 98-368: 50
• HTML5 Application Development Fundamentals Examination 98-375: 50
• Introduction to Programming Using Python Examination 98-381: 45
• Introduction to Programming Using JavaScript Examination 98-382: 45
• Introduction to Programming Using HTML and CSS Examination 98-383: 45
• Introduction to Programming Using Java Examination 98-388: 45
• Software Development Fundamentals Examination 98-361: 50

**Passing score (percent):** The passing score for each Microsoft Technology Associate (MTA) Examinations test is 70%.

**Cost Per Test:** Each test in the Microsoft Technology Associate (MTA) Examinations is $61 (voucher + retake). A site license is available.

**Additional information:** [https://certiport.pearsonvue.com/Certifications/Microsoft/MTA/Overview](https://certiport.pearsonvue.com/Certifications/Microsoft/MTA/Overview)
Possible Preparatory Courses

Windows Operating Fundamentals Examination 98-349

Computer Network Software Operations (6650/36 weeks)
Computer Network Software Operations, Advanced (6651/36 weeks)
Computer Networking Hardware Operations I (8542/18 weeks, 70 hours)
Computer Networking Hardware Operations II (8543/18 weeks, 70 hours)
Computer Networking Hardware Operations III (8544/18 weeks, 70 hours)
Computer Networking Hardware Operations IV (8545/18 weeks, 70 hours)
Computer Systems Technology I (8622/36 weeks, 140 hours)
Computer Systems Technology II (8623/36 weeks, 280 hours)
Cybersecurity Fundamentals (6302/36 weeks)
Cybersecurity in Family and Consumer Sciences (8291/36 weeks)
Cybersecurity in Family and Consumer Sciences, Advanced (8292/36 weeks)
Cybersecurity in Food and Agriculture (8074/36 weeks)
Cybersecurity in Food and Agriculture, Advanced (8075/36 weeks)
Cybersecurity in Marketing (8126/36 weeks)
Cybersecurity in Marketing, Advanced (8127/36 weeks)
Cybersecurity Software Operations (6304/36 weeks)
Cybersecurity Software Operations, Advanced (6306/36 weeks)
Cybersecurity Systems Technology (8628/36 weeks, 140 hours)
Cybersecurity Systems Technology, Advanced (8629/36 weeks, 280 hours)
Database Design and Management (Oracle) (6660/36 weeks)
Database Design and Management with PL/SQL (Oracle) (6662/36 weeks)
Design, Multimedia, and Web Technologies (6630/36 weeks)
Design, Multimedia, and Web Technologies, Advanced (6631/36 weeks)
International Baccalaureate Information Technology in a Global Society (IB6613/36 weeks)
Java Programming (Oracle) (6661/36 weeks)
Programming (6640/36 weeks)
Programming, Advanced (6641/36 weeks)

Software Development Fundamentals Examination 98-361

Computer Network Software Operations (6650/36 weeks)
Computer Network Software Operations, Advanced (6651/36 weeks)
Computer Networking Hardware Operations I (8542/18 weeks, 70 hours)
Computer Networking Hardware Operations II (8543/18 weeks, 70 hours)
Computer Networking Hardware Operations III (8544/18 weeks, 70 hours)
Computer Networking Hardware Operations IV (8545/18 weeks, 70 hours)
Computer Systems Technology I (8622/36 weeks, 140 hours)
Computer Systems Technology II (8623/36 weeks, 280 hours)
Cybersecurity Fundamentals (6302/36 weeks)
Cybersecurity in Family and Consumer Sciences (8291/36 weeks)
Cybersecurity in Family and Consumer Sciences, Advanced (8292/36 weeks)
Cybersecurity in Food and Agriculture (8074/36 weeks)
Cybersecurity in Food and Agriculture, Advanced (8075/36 weeks)
Cybersecurity in Marketing (8126/36 weeks)
Cybersecurity in Marketing, Advanced (8127/36 weeks)
Cybersecurity Software Operations (6304/36 weeks)
Cybersecurity Software Operations, Advanced (6306/36 weeks)
Cybersecurity Systems Technology (8628/36 weeks, 140 hours)
Cybersecurity Systems Technology, Advanced (8629/36 weeks, 280 hours)
Database Design and Management (Oracle) (6660/36 weeks)
Database Design and Management with PL/SQL (Oracle) (6662/36 weeks)
Design, Multimedia, and Web Technologies (6630/36 weeks)
Design, Multimedia, and Web Technologies, Advanced (6631/36 weeks)
International Baccalaureate Information Technology in a Global Society (IB6613/36 weeks)
Java Programming (Oracle) (6661/36 weeks)
Programming (6640/36 weeks)
Programming, Advanced (6641/36 weeks)

Database Administration Fundamentals Examination 98-364

Computer Network Software Operations (6650/36 weeks)
Computer Network Software Operations, Advanced (6651/36 weeks)
Computer Networking Hardware Operations I (8542/18 weeks, 70 hours)
Computer Networking Hardware Operations II (8543/18 weeks, 70 hours)
Computer Networking Hardware Operations III (8544/18 weeks, 70 hours)
Computer Networking Hardware Operations IV (8545/18 weeks, 70 hours)
Computer Systems Technology I (8622/36 weeks, 140 hours)
Computer Systems Technology II (8623/36 weeks, 280 hours)
Cybersecurity Fundamentals (6302/36 weeks)
Cybersecurity in Family and Consumer Sciences (8291/36 weeks)
Cybersecurity in Family and Consumer Sciences, Advanced (8292/36 weeks)
Cybersecurity in Food and Agriculture (8074/36 weeks)
Cybersecurity in Food and Agriculture, Advanced (8075/36 weeks)
Cybersecurity in Marketing (8126/36 weeks)
Cybersecurity in Marketing, Advanced (8127/36 weeks)
Cybersecurity Software Operations (6304/36 weeks)
Cybersecurity Software Operations, Advanced (6306/36 weeks)
Cybersecurity Systems Technology (8628/36 weeks, 140 hours)
Cybersecurity Systems Technology, Advanced (8629/36 weeks, 280 hours)
Database Design and Management (Oracle) (6660/36 weeks)
Database Design and Management with PL/SQL (Oracle) (6662/36 weeks)
Design, Multimedia, and Web Technologies (6630/36 weeks)
Design, Multimedia, and Web Technologies, Advanced (6631/36 weeks)
International Baccalaureate Information Technology in a Global Society (IB6613/36 weeks)
Java Programming (Oracle) (6661/36 weeks)
Programming (6640/36 weeks)
Programming, Advanced (6641/36 weeks)

Windows Server Administration Fundamentals Examination 98-365
Computer Network Software Operations (6650/36 weeks)
Computer Network Software Operations, Advanced (6651/36 weeks)
Computer Networking Hardware Operations I (8542/18 weeks, 70 hours)
Computer Networking Hardware Operations II (8543/18 weeks, 70 hours)
Computer Networking Hardware Operations III (8544/18 weeks, 70 hours)
Computer Networking Hardware Operations IV (8545/18 weeks, 70 hours)
Computer Systems Technology I (8622/36 weeks, 140 hours)

2021-2022
Computer Systems Technology II (8623/36 weeks, 280 hours)
Cybersecurity Fundamentals (6302/36 weeks)
Cybersecurity in Family and Consumer Sciences (8291/36 weeks)
Cybersecurity in Family and Consumer Sciences, Advanced (8292/36 weeks)
Cybersecurity in Food and Agriculture (8074/36 weeks)
Cybersecurity in Food and Agriculture, Advanced (8075/36 weeks)
Cybersecurity in Marketing (8126/36 weeks)
Cybersecurity in Marketing, Advanced (8127/36 weeks)
Cybersecurity Software Operations (6304/36 weeks)
Cybersecurity Software Operations, Advanced (6306/36 weeks)
Cybersecurity Systems Technology (8628/36 weeks, 140 hours)
Cybersecurity Systems Technology, Advanced (8629/36 weeks, 280 hours)
Database Design and Management (Oracle) (6660/36 weeks)
Database Design and Management with PL/SQL (Oracle) (6662/36 weeks)
Design, Multimedia, and Web Technologies (6630/36 weeks)
Design, Multimedia, and Web Technologies, Advanced (6631/36 weeks)
International Baccalaureate Information Technology in a Global Society (IB6613/36 weeks)
Java Programming (Oracle) (6661/36 weeks)
Programming (6640/36 weeks)
Programming, Advanced (6641/36 weeks)

**Networking Fundamentals Examination 98-366**

Computer Network Software Operations (6650/36 weeks)
Computer Network Software Operations, Advanced (6651/36 weeks)
Computer Networking Hardware Operations I (8542/18 weeks, 70 hours)
Computer Networking Hardware Operations II (8543/18 weeks, 70 hours)
Computer Networking Hardware Operations III (8544/18 weeks, 70 hours)
Computer Networking Hardware Operations IV (8545/18 weeks, 70 hours)
Computer Systems Technology I (8622/36 weeks, 140 hours)
Computer Systems Technology II (8623/36 weeks, 280 hours)
Cybersecurity Fundamentals (6302/36 weeks)
Cybersecurity in Family and Consumer Sciences (8291/36 weeks)
Cybersecurity in Family and Consumer Sciences, Advanced (8292/36 weeks)
Cybersecurity in Food and Agriculture (8074/36 weeks)
Cybersecurity in Food and Agriculture, Advanced (8075/36 weeks)
Cybersecurity in Marketing (8126/36 weeks)
Cybersecurity in Marketing, Advanced (8127/36 weeks)
Cybersecurity Software Operations (6304/36 weeks)
Cybersecurity Software Operations, Advanced (6306/36 weeks)
Cybersecurity Systems Technology (8628/36 weeks, 140 hours)
Cybersecurity Systems Technology, Advanced (8629/36 weeks, 280 hours)
Database Design and Management (Oracle) (6660/36 weeks)
Database Design and Management with PL/SQL (Oracle) (6662/36 weeks)
Design, Multimedia, and Web Technologies (6630/36 weeks)
Design, Multimedia, and Web Technologies, Advanced (6631/36 weeks)
International Baccalaureate Information Technology in a Global Society (IB6613/36 weeks)
Java Programming (Oracle) (6661/36 weeks)
Programming (6640/36 weeks)
Programming, Advanced (6641/36 weeks)

Security Fundamentals Examination 98-367
Computer Network Software Operations (6650/36 weeks)
Computer Network Software Operations, Advanced (6651/36 weeks)
Computer Networking Hardware Operations I (8542/18 weeks, 70 hours)
Computer Networking Hardware Operations II (8543/18 weeks, 70 hours)
Computer Networking Hardware Operations III (8544/18 weeks, 70 hours)
Computer Networking Hardware Operations IV (8545/18 weeks, 70 hours)
Computer Systems Technology I (8622/36 weeks, 140 hours)
Computer Systems Technology II (8623/36 weeks, 280 hours)
Cybersecurity Fundamentals (6302/36 weeks)
Cybersecurity in Family and Consumer Sciences (8291/36 weeks)
Cybersecurity in Family and Consumer Sciences, Advanced (8292/36 weeks)
Cybersecurity in Food and Agriculture (8074/36 weeks)
Cybersecurity in Food and Agriculture, Advanced (8075/36 weeks)
Cybersecurity in Marketing (8126/36 weeks)
Cybersecurity in Marketing, Advanced (8127/36 weeks)
Cybersecurity Software Operations (6304/36 weeks)
Cybersecurity Software Operations, Advanced (6306/36 weeks)
Cybersecurity Systems Technology (8628/36 weeks, 140 hours)
Cybersecurity Systems Technology, Advanced (8629/36 weeks, 280 hours)
Database Design and Management (Oracle) (6660/36 weeks)
Database Design and Management with PL/SQL (Oracle) (6662/36 weeks)
Design, Multimedia, and Web Technologies (6630/36 weeks)
Design, Multimedia, and Web Technologies, Advanced (6631/36 weeks)
International Baccalaureate Information Technology in a Global Society (IB6613/36 weeks)
Java Programming (Oracle) (6661/36 weeks)
Programming (6640/36 weeks)
Programming, Advanced (6641/36 weeks)

Windows Devices and Mobility Fundamentals Examination 98-368
Computer Network Software Operations (6650/36 weeks)
Computer Network Software Operations, Advanced (6651/36 weeks)
Computer Networking Hardware Operations I (8542/18 weeks, 70 hours)
Computer Networking Hardware Operations II (8543/18 weeks, 70 hours)
Computer Networking Hardware Operations III (8544/18 weeks, 70 hours)
Computer Networking Hardware Operations IV (8545/18 weeks, 70 hours)
Computer Systems Technology I (8622/36 weeks, 140 hours)
Computer Systems Technology II (8623/36 weeks, 280 hours)
Cybersecurity Fundamentals (6302/36 weeks)
Cybersecurity in Family and Consumer Sciences (8291/36 weeks)
Cybersecurity in Family and Consumer Sciences, Advanced (8292/36 weeks)
Cybersecurity in Food and Agriculture (8074/36 weeks)
Cybersecurity in Food and Agriculture, Advanced (8075/36 weeks)
Cybersecurity in Marketing (8126/36 weeks)
Cybersecurity in Marketing, Advanced (8127/36 weeks)
Cybersecurity Software Operations (6304/36 weeks)
Cybersecurity Software Operations, Advanced (6306/36 weeks)
Cybersecurity Systems Technology (8628/36 weeks, 140 hours)
Cybersecurity Systems Technology, Advanced (8629/36 weeks, 280 hours)
Database Design and Management (Oracle) (6660/36 weeks)
Database Design and Management with PL/SQL (Oracle) (6662/36 weeks)
Design, Multimedia, and Web Technologies (6630/36 weeks)
Design, Multimedia, and Web Technologies, Advanced (6631/36 weeks)
International Baccalaureate Information Technology in a Global Society (IB6613/36 weeks)
Java Programming (Oracle) (6661/36 weeks)
Programming (6640/36 weeks)
Programming, Advanced (6641/36 weeks)

HTML5 Application Development Fundamentals Examination 98-375
Computer Network Software Operations (6650/36 weeks)
Computer Network Software Operations, Advanced (6651/36 weeks)
Computer Networking Hardware Operations I (8542/18 weeks, 70 hours)
Computer Networking Hardware Operations II (8543/18 weeks, 70 hours)
Computer Networking Hardware Operations III (8544/18 weeks, 70 hours)
Computer Networking Hardware Operations IV (8545/18 weeks, 70 hours)
Computer Systems Technology I (8622/36 weeks, 140 hours)
Computer Systems Technology II (8623/36 weeks, 280 hours)
Cybersecurity Fundamentals (6302/36 weeks)
Cybersecurity in Family and Consumer Sciences (8291/36 weeks)
Cybersecurity in Family and Consumer Sciences, Advanced (8292/36 weeks)
Cybersecurity in Food and Agriculture (8074/36 weeks)
Cybersecurity in Food and Agriculture, Advanced (8075/36 weeks)
Cybersecurity in Marketing (8126/36 weeks)
Cybersecurity in Marketing, Advanced (8127/36 weeks)
Cybersecurity Software Operations (6304/36 weeks)
Cybersecurity Software Operations, Advanced (6306/36 weeks)
Cybersecurity Systems Technology (8628/36 weeks, 140 hours)
Cybersecurity Systems Technology, Advanced (8629/36 weeks, 280 hours)
Database Design and Management (Oracle) (6660/36 weeks)
Database Design and Management with PL/SQL (Oracle) (6662/36 weeks)
Design, Multimedia, and Web Technologies (6630/36 weeks)
Design, Multimedia, and Web Technologies, Advanced (6631/36 weeks)
International Baccalaureate Information Technology in a Global Society (IB6613/36 weeks)
Java Programming (Oracle) (6661/36 weeks)
Programming (6640/36 weeks)
Programming, Advanced (6641/36 weeks)

Introduction to Programming Using Python Examination 98-381

Computer Network Software Operations (6650/36 weeks)
Computer Network Software Operations, Advanced (6651/36 weeks)
Computer Networking Hardware Operations I (8542/18 weeks, 70 hours)
Computer Networking Hardware Operations II (8543/18 weeks, 70 hours)
Computer Networking Hardware Operations III (8544/18 weeks, 70 hours)
Computer Networking Hardware Operations IV (8545/18 weeks, 70 hours)
Computer Systems Technology I (8622/36 weeks, 140 hours)
Computer Systems Technology II (8623/36 weeks, 280 hours)
Cybersecurity Fundamentals (6302/36 weeks)
Cybersecurity in Family and Consumer Sciences (8291/36 weeks)
Cybersecurity in Family and Consumer Sciences, Advanced (8292/36 weeks)
Cybersecurity in Food and Agriculture (8074/36 weeks)
Cybersecurity in Food and Agriculture, Advanced (8075/36 weeks)
Cybersecurity in Marketing (8126/36 weeks)
Cybersecurity in Marketing, Advanced (8127/36 weeks)
Cybersecurity Software Operations (6304/36 weeks)
Cybersecurity Software Operations, Advanced (6306/36 weeks)
Cybersecurity Systems Technology (8628/36 weeks, 140 hours)
Cybersecurity Systems Technology, Advanced (8629/36 weeks, 280 hours)
Database Design and Management (Oracle) (6660/36 weeks)
Database Design and Management with PL/SQL (Oracle) (6662/36 weeks)
Design, Multimedia, and Web Technologies (6630/36 weeks)
Design, Multimedia, and Web Technologies, Advanced (6631/36 weeks)
International Baccalaureate Information Technology in a Global Society (IB6613/36 weeks)
Java Programming (Oracle) (6661/36 weeks)
Programming (6640/36 weeks)
Programming, Advanced (6641/36 weeks)

Introduction to Programming Using JavaScript Examination 98-382

Computer Network Software Operations (6650/36 weeks)
Computer Network Software Operations, Advanced (6651/36 weeks)
Computer Networking Hardware Operations I (8542/18 weeks, 70 hours)
Computer Networking Hardware Operations II (8543/18 weeks, 70 hours)
Computer Networking Hardware Operations III (8544/18 weeks, 70 hours)
Computer Networking Hardware Operations IV (8545/18 weeks, 70 hours)
Computer Systems Technology I (8622/36 weeks, 140 hours)
Computer Systems Technology II (8623/36 weeks, 280 hours)
Cybersecurity Fundamentals (6302/36 weeks)
Cybersecurity in Family and Consumer Sciences (8291/36 weeks)
Cybersecurity in Family and Consumer Sciences, Advanced (8292/36 weeks)
Cybersecurity in Food and Agriculture (8074/36 weeks)
Cybersecurity in Food and Agriculture, Advanced (8075/36 weeks)
Cybersecurity in Marketing (8126/36 weeks)
Cybersecurity in Marketing, Advanced (8127/36 weeks)
Cybersecurity Software Operations (6304/36 weeks)
Cybersecurity Software Operations, Advanced (6306/36 weeks)
Cybersecurity Systems Technology (8628/36 weeks, 140 hours)
Cybersecurity Systems Technology, Advanced (8629/36 weeks, 280 hours)
Database Design and Management (Oracle) (6660/36 weeks)
Database Design and Management with PL/SQL (Oracle) (6662/36 weeks)
Design, Multimedia, and Web Technologies (6630/36 weeks)
Design, Multimedia, and Web Technologies, Advanced (6631/36 weeks)
International Baccalaureate Information Technology in a Global Society (IB6613/36 weeks)
Java Programming (Oracle) (6661/36 weeks)
Programming (6640/36 weeks)
Programming, Advanced (6641/36 weeks)

Introduction to Programming Using HTML and CSS Examination 98-383

Computer Network Software Operations (6650/36 weeks)
Computer Network Software Operations, Advanced (6651/36 weeks)
Computer Networking Hardware Operations I (8542/18 weeks, 70 hours)
Computer Networking Hardware Operations II (8543/18 weeks, 70 hours)
Computer Networking Hardware Operations III (8544/18 weeks, 70 hours)
Computer Networking Hardware Operations IV (8545/18 weeks, 70 hours)
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Computer Systems Technology II (8623/36 weeks, 280 hours)
Cybersecurity Fundamentals (6302/36 weeks)
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Cybersecurity in Family and Consumer Sciences, Advanced (8292/36 weeks)
Cybersecurity in Food and Agriculture (8074/36 weeks)
Cybersecurity in Food and Agriculture, Advanced (8075/36 weeks)
Cybersecurity in Marketing (8126/36 weeks)
Cybersecurity in Marketing, Advanced (8127/36 weeks)
Cybersecurity Software Operations (6304/36 weeks)
Cybersecurity Software Operations, Advanced (6306/36 weeks)
Cybersecurity Systems Technology (8628/36 weeks, 140 hours)
Cybersecurity Systems Technology, Advanced (8629/36 weeks, 280 hours)
Database Design and Management (Oracle) (6660/36 weeks)
Database Design and Management with PL/SQL (Oracle) (6662/36 weeks)
Design, Multimedia, and Web Technologies (6630/36 weeks)
Design, Multimedia, and Web Technologies, Advanced (6631/36 weeks)
International Baccalaureate Information Technology in a Global Society (IB6613/36 weeks)
Java Programming (Oracle) (6661/36 weeks)
Programming (6640/36 weeks)
Programming, Advanced (6641/36 weeks)
Introduction to Programming Using Java Examination 98-388

Computer Network Software Operations (6650/36 weeks)
Computer Network Software Operations, Advanced (6651/36 weeks)
Computer Networking Hardware Operations I (8542/18 weeks, 70 hours)
Computer Networking Hardware Operations II (8543/18 weeks, 70 hours)
Computer Networking Hardware Operations III (8544/18 weeks, 70 hours)
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Cybersecurity in Food and Agriculture, Advanced (8075/36 weeks)
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Cybersecurity Software Operations (6304/36 weeks)
Cybersecurity Software Operations, Advanced (6306/36 weeks)
Cybersecurity Systems Technology (8628/36 weeks, 140 hours)
Cybersecurity Systems Technology, Advanced (8629/36 weeks, 280 hours)
Database Design and Management (Oracle) (6660/36 weeks)
Database Design and Management with PL/SQL (Oracle) (6662/36 weeks)
Design, Multimedia, and Web Technologies (6630/36 weeks)
Design, Multimedia, and Web Technologies, Advanced (6631/36 weeks)
International Baccalaureate Information Technology in a Global Society (IB6613/36 weeks)
Java Programming (Oracle) (6661/36 weeks)
Programming (6640/36 weeks)
Programming, Advanced (6641/36 weeks)

Software Development Fundamentals Examination 98-361

Computer Network Software Operations (6650/36 weeks)
Computer Network Software Operations, Advanced (6651/36 weeks)
Computer Networking Hardware Operations I (8542/18 weeks, 70 hours)
Computer Networking Hardware Operations II (8543/18 weeks, 70 hours)
Computer Networking Hardware Operations III (8544/18 weeks, 70 hours)
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Computer Systems Technology II (8623/36 weeks, 280 hours)
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Cybersecurity in Family and Consumer Sciences, Advanced (8292/36 weeks)
Cybersecurity in Food and Agriculture (8074/36 weeks)
Cybersecurity in Food and Agriculture, Advanced (8075/36 weeks)
Cybersecurity in Marketing (8126/36 weeks)
Cybersecurity in Marketing, Advanced (8127/36 weeks)
Cybersecurity Software Operations (6304/36 weeks)
Cybersecurity Software Operations, Advanced (6306/36 weeks)
Cybersecurity Systems Technology (8628/36 weeks, 140 hours)
Cybersecurity Systems Technology, Advanced (8629/36 weeks, 280 hours)
Database Design and Management (Oracle) (6660/36 weeks)
Database Design and Management with PL/SQL (Oracle) (6662/36 weeks)
Design, Multimedia, and Web Technologies (6630/36 weeks)
Design, Multimedia, and Web Technologies, Advanced (6631/36 weeks)
International Baccalaureate Information Technology in a Global Society (IB6613/36 weeks)
Java Programming (Oracle) (6661/36 weeks)
Programming (6640/36 weeks)
Programming, Advanced (6641/36 weeks)
Windows Operating Fundamentals Examination 98-349

Accommodations: Students with Disabilities

**Timing**
- Multiple test sessions ................................................................. Yes
- Time of day ................................................................................ Yes
- Order of tasks ................................................................................ No
- Planned breaks during test ......................................................... No

**Setting**
- Test location ................................................................................ Yes
- Adaptive or special furniture ..................................................... Yes
- Special lighting ........................................................................... Yes

**Presentation**
- Written directions accompanying oral directions .................... No
- Specific verbal prompts ............................................................... No
- Visual aids ................................................................................ No
- Amplification equipment ............................................................ Yes
- Headphones, earmuffs, or earplugs ........................................... Yes
- Large-print test ........................................................................... Yes
- Braille test ................................................................................ No
- Read-aloud test .......................................................................... Yes
- Audio test ................................................................................ No
- Interpreting/transliterating testing directions ......................... No
- Interpreting/transliterating the test ........................................... No

**Response**
- Enlarged copy of the answer document .................................... Yes
- Communication board or choice cards ................................... No
- Examiner records responses ................................................... No
- Brailler .................................................................................... No
- Word processor or word processor with speech-to-text .......... No
- Augmentative communication device .................................... No
- Word prediction software ......................................................... No
- Spelling aids ............................................................................ No
- English dictionary ...................................................................... No
Dictation using a recording device................................................................. No
Dictation to a scribe ........................................................................................ Yes
Read back student response .......................................................................... No
Calculator and arithmetic tools .................................................................... No
Calculator with additional functions .......................................................... No
Math aids ....................................................................................................... No
Dry erase board ............................................................................................ No
Additional writing implements ..................................................................... No

**Accommodations: English Learners**

Audio test ........................................................................................................ No
Bilingual dictionary ........................................................................................ No
Dictation to scribe .......................................................................................... No
English dictionary .......................................................................................... No
Examiner records responses .......................................................................... No
Flexible schedule ........................................................................................... Yes
Multiple test sessions ................................................................................... No
Read-aloud test ............................................................................................... No
Test directions delivery ................................................................................... No
Visual aids ..................................................................................................... No

**Software Development Fundamentals Examination 98-361**

**Accommodations: Students with Disabilities**

**Timing**

Multiple test sessions .................................................................................. No
Time of day ..................................................................................................... Yes
Order of tasks ................................................................................................. No
Planned breaks during test ........................................................................... No

**Setting**

Test location .................................................................................................. Yes
Adaptive or special furniture ......................................................................... Yes
Special lighting .............................................................................................. Yes

**Presentation**

Written directions accompanying oral directions ....................................... No
Specific verbal prompts .................................................................................. No
<table>
<thead>
<tr>
<th>Accommodation</th>
<th>Yes/No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Visual aids</td>
<td>No</td>
</tr>
<tr>
<td>Amplification equipment</td>
<td>Yes</td>
</tr>
<tr>
<td>Headphones, earmuffs, or earplugs</td>
<td>Yes</td>
</tr>
<tr>
<td>Large-print test</td>
<td>Yes</td>
</tr>
<tr>
<td>Braille test</td>
<td>No</td>
</tr>
<tr>
<td>Read-aloud test</td>
<td>No</td>
</tr>
<tr>
<td>Audio test</td>
<td>No</td>
</tr>
<tr>
<td>Interpreting/transliterating testing directions</td>
<td>No</td>
</tr>
<tr>
<td>Interpreting/transliterating the test</td>
<td>No</td>
</tr>
<tr>
<td>Response</td>
<td></td>
</tr>
<tr>
<td>Enlarged copy of the answer document</td>
<td>Yes</td>
</tr>
<tr>
<td>Communication board or choice cards</td>
<td>No</td>
</tr>
<tr>
<td>Examiner records responses</td>
<td>No</td>
</tr>
<tr>
<td>Brailler</td>
<td>No</td>
</tr>
<tr>
<td>Word processor or word processor with speech-to-text</td>
<td>No</td>
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2021-2022
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**Database Administration Fundamentals Examination 98-364**

**Accommodations: Students with Disabilities**

**Timing**
- Multiple test sessions: No
- Time of day: Yes
- Order of tasks: No
- Planned breaks during test: No

**Setting**
- Test location: Yes
- Adaptive or special furniture: Yes
- Special lighting: Yes

**Presentation**
- Written directions accompanying oral directions: No
- Specific verbal prompts: No
- Visual aids: No
- Amplification equipment: Yes
- Headphones, earmuffs, or earplugs: Yes
- Large-print test: Yes
- Braille test: No
- Read-aloud test: No
- Audio test: No
- Interpreting/transliterating testing directions: No
- Interpreting/transliterating the test: No

**Response**
- Enlarged copy of the answer document: Yes
- Communication board or choice cards: No
- Examiner records responses: No
- Braille: No
Word processor or word processor with speech-to-text ................................................................. No
Augmentative communication device .......................................................................................... No
Word prediction software .............................................................................................................. No
Spelling aids ................................................................................................................................ No
English dictionary .......................................................................................................................... No
Dictation using a recording device ............................................................................................... No
Dictation to a scribe ....................................................................................................................... Yes
Read back student response ........................................................................................................ No
Calculator and arithmetic tools ..................................................................................................... No
Calculator with additional functions .......................................................................................... No
Math aids ....................................................................................................................................... No
Dry erase board ........................................................................................................................... No
Additional writing implements ..................................................................................................... No

Accommodations: English Learners
Audio test ......................................................................................................................................... No
Bilingual dictionary ....................................................................................................................... No
Dictation to scribe ......................................................................................................................... No
English dictionary .......................................................................................................................... No
Examiner records responses .......................................................................................................... No
Flexible schedule ........................................................................................................................... Yes
Multiple test sessions ................................................................................................................... No
Read-aloud test .............................................................................................................................. No
Test directions delivery ................................................................................................................ No
Visual aids ....................................................................................................................................... No

Windows Server Administration Fundamentals Examination 98-365
Accommodations: Students with Disabilities

Timing
Multiple test sessions ................................................................................................................... No
Time of day ...................................................................................................................................... Yes
Order of tasks ................................................................................................................................ No
Planned breaks during test ........................................................................................................... No

Setting
Test location ..................................................................................................................................... Yes
Adaptive or special furniture ......................................................... Yes
Special lighting .............................................................................. Yes

**Presentation**

Written directions accompanying oral directions ........................................... No
Specific verbal prompts ......................................................................... No
Visual aids ......................................................................................... No
Amplification equipment ........................................................................ Yes
Headphones, earmuffs, or earplugs ......................................................... Yes
Large-print test ...................................................................................... Yes
Braille test ............................................................................................ No
Read-aloud test ..................................................................................... Yes
Audio test ............................................................................................... No
Interpreting/translating testing directions ............................................... No
Interpreting/translating the test ............................................................ No

**Response**

Enlarged copy of the answer document .................................................. Yes
Communication board or choice cards ................................................ No
Examiner records responses ................................................................. No
Brailer ..................................................................................................... No
Word processor or word processor with speech-to-text ........................ No
Augmentative communication device .................................................. No
Word prediction software ..................................................................... No
Spelling aids ......................................................................................... No
English dictionary ................................................................................. No
Dictation using a recording device ....................................................... No
Read back student response ............................................................... No
Dictation to a scribe ............................................................................... Yes
Calculator and arithmetic tools .......................................................... No
Calculator with additional functions .................................................. No
Math aids ............................................................................................. No
Dry erase board .................................................................................. No
Additional writing implements .......................................................... No
Accommodations: English Learners

Audio test................................................................................................................................................. No
Bilingual dictionary ................................................................................................................................. No
Dictation to scribe .................................................................................................................................. No
English dictionary ...................................................................................................................................... No
Examiner records responses ..................................................................................................................... No
Flexible schedule ...................................................................................................................................... Yes
Multiple test sessions ............................................................................................................................... No
Read-aloud test ......................................................................................................................................... No
Test directions delivery ............................................................................................................................. No
Visual aids .................................................................................................................................................. No

Networking Fundamentals Examination 98-366

Accommodations: Students with Disabilities

Timing

Multiple test sessions ............................................................................................................................... No
Time of day ................................................................................................................................................ Yes
Order of tasks .......................................................................................................................................... No
Planned breaks during test ........................................................................................................................ No

Setting

Test location ............................................................................................................................................. Yes
Adaptive or special furniture ..................................................................................................................... Yes
Special lighting .......................................................................................................................................... Yes

Presentation

Written directions accompanying oral directions .................................................................................. No
Specific verbal prompts ............................................................................................................................ No
Visual aids ................................................................................................................................................ No
Amplification equipment .......................................................................................................................... Yes
Headphones, earmuffs, or earplugs .......................................................................................................... Yes
Large-print test ........................................................................................................................................ Yes
Braille test ................................................................................................................................................ No
Read-aloud test ........................................................................................................................................ No
Audio test ............................................................................................................................................... No
Interpreting/translating testing directions ............................................................................................... No
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**Response**

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<td>Test directions delivery</td>
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<td>Visual aids</td>
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Accommodations: Students with Disabilities

**Timing**
- Multiple test sessions ................................................................. No
- Time of day .................................................................................. Yes
- Order of tasks ................................................................................ No
- Planned breaks during test ............................................................ No

**Setting**
- Test location ................................................................................ Yes
- Adaptive or special furniture ......................................................... Yes
- Special lighting .............................................................................. Yes

**Presentation**
- Written directions accompanying oral directions .......................... No
- Specific verbal prompts .................................................................. No
- Visual aids ..................................................................................... No
- Amplification equipment ............................................................... Yes
- Headphones, earmuffs, or earplugs ............................................. Yes
- Large-print test .............................................................................. Yes
- Braille test .................................................................................... No
- Read-aloud test ............................................................................ No
- Audio test ...................................................................................... No
- Interpreting/transliterating testing directions .......................... No
- Interpreting/transliterating the test ........................................ No

**Response**
- Enlarged copy of the answer document ........................................ Yes
- Communication board or choice cards ........................................ No
- Examiner records responses ......................................................... No
- Brailler ........................................................................................ No
- Word processor or word processor with speech-to-text .......... No
- Augmentative communication device ......................................... No
- Word prediction software ............................................................ No
- Spelling aids ................................................................................ No
- English dictionary ................................................................. No
Dictation using a recording device ................................................................. No
Dictation to a scribe ...................................................................................... Yes
Read back student response ........................................................................ No
Calculator and arithmetic tools .................................................................. No
Calculator with additional functions .......................................................... No
Math aids ....................................................................................................... No
Dry erase board ............................................................................................ No
Additional writing implements .................................................................... No

Accommodations: English Learners

Audio test ....................................................................................................... No
Bilingual dictionary ....................................................................................... No
Dictation to scribe........................................................................................ No
English dictionary ........................................................................................ No
Examiner records responses ......................................................................... No
Flexible schedule ........................................................................................ Yes
Multiple test sessions .................................................................................. No
Read-aloud test ............................................................................................. No
Test directions delivery ................................................................................ No
Visual aids ..................................................................................................... No

Windows Devices and Mobility Fundamentals Examination 98-368

Accommodations: Students with Disabilities

Timing

Multiple test sessions .................................................................................. No
Time of day .................................................................................................... Yes
Order of tasks ............................................................................................... No
Planned breaks during test .......................................................................... No

Setting

Test location ................................................................................................... Yes
Adaptive or special furniture ......................................................................... Yes
Special lighting ............................................................................................. Yes

Presentation

Written directions accompanying oral directions ........................................ No
Specific verbal prompts ................................................................................ No
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Flexible schedule..............................................................................................................................................Yes
Multiple test sessions ........................................................................................................................................... No
Read-aloud test..................................................................................................................................................... No
Test directions delivery ...................................................................................................................................... No
Visual aids......................................................................................................................................................... No

**HTML5 Application Development Fundamentals Examination 98-375**

**Accommodations: Students with Disabilities**

**Timing**

Multiple test sessions ........................................................................................................................................... No
Time of day ............................................................................................................................................................ Yes
Order of tasks ......................................................................................................................................................... No
Planned breaks during test ................................................................................................................................... No

**Setting**

Test location .......................................................................................................................................................... Yes
Adaptive or special furniture ................................................................................................................................. Yes
Special lighting ....................................................................................................................................................... Yes

**Presentation**

Written directions accompanying oral directions ................................................................................................. No
Specific verbal prompts ......................................................................................................................................... No
Visual aids .............................................................................................................................................................. No
Amplification equipment ....................................................................................................................................... Yes
Headphones, earmuffs, or earplugs ........................................................................................................................ Yes
Large-print test ....................................................................................................................................................... Yes
Braille test ................................................................................................................................................................. No
Read-aloud test ....................................................................................................................................................... No
Audio test ................................................................................................................................................................. No
Interpreting/transliterating testing directions ................................................................................................. No
Interpreting/transliterating the test ....................................................................................................................... No

**Response**

Enlarged copy of the answer document .............................................................................................................. Yes
Communication board or choice cards ................................................................................................................. No
Examiner records responses ................................................................................................................................. No
Brailler .................................................................................................................................................................... No
Word processor or word processor with speech-to-text ................................................................. No
Augmentative communication device .......................................................................................... No
Word prediction software ............................................................................................................. No
Spelling aids ................................................................................................................................. No
English dictionary .......................................................................................................................... No
Dictation using a recording device ............................................................................................... No
Dictation to a scribe ....................................................................................................................... Yes
Read back student response .......................................................................................................... No
Calculator and arithmetic tools ..................................................................................................... No
Calculator with additional functions ............................................................................................. No
Math aids ........................................................................................................................................ No
Dry erase board ............................................................................................................................. No
Additional writing implements ....................................................................................................... No

Accommodations: English Learners
Audio test......................................................................................................................................... No
Bilingual dictionary ....................................................................................................................... No
Dictation to scribe ........................................................................................................................... No
English dictionary .......................................................................................................................... No
Examiner records responses .......................................................................................................... No
Flexible schedule............................................................................................................................ Yes
Multiple test sessions .................................................................................................................... No
Read-aloud test ............................................................................................................................... No
Test directions delivery .................................................................................................................. No
Visual aids ....................................................................................................................................... No

Introduction to Programming Using Python Examination 98-381
Accommodations: Students with Disabilities

Timing
Multiple test sessions .................................................................................................................... No
Time of day ....................................................................................................................................... Yes
Order of tasks................................................................................................................................... No
Planned breaks during test .............................................................................................................. No

Setting
Test location..................................................................................................................................... Yes
Adaptive or special furniture ......................................................................................................................... Yes
Special lighting ................................................................................................................................................. Yes

Presentation

Written directions accompanying oral directions ............................................................................................... No
Specific verbal prompts .................................................................................................................................... No
Visual aids ......................................................................................................................................................... No
Amplification equipment .................................................................................................................................... Yes
Headphones, earmuffs, or earplugs......................................................................................................................... Yes
Large-print test .................................................................................................................................................... Yes
Braille test ........................................................................................................................................................... No
Read-aloud test ................................................................................................................................................... No
Audio test ............................................................................................................................................................ No
Interpreting/translating testing directions ........................................................................................................ No
Interpreting/translating the test ........................................................................................................................ No

Response

Enlarged copy of the answer document .............................................................................................................. Yes
Communication board or choice cards ................................................................................................................ No
Examiner records responses ................................................................................................................................ No
Brailier ................................................................................................................................................................ No
Word processor or word processor with speech-to-text ..................................................................................... No
Augmentative communication device ............................................................................................................... No
Word prediction software ................................................................................................................................... No
Spelling aids ......................................................................................................................................................... No
English dictionary ................................................................................................................................................ No
Dictation using a recording device ..................................................................................................................... No
Dictation to a scribe ............................................................................................................................................ Yes
Read back student response ............................................................................................................................. No
Calculator and arithmetic tools ........................................................................................................................ No
Calculator with additional functions ................................................................................................................ No
Math aids ............................................................................................................................................................. No
Dry erase board ................................................................................................................................................. No
Additional writing implements ........................................................................................................................ No
### Accommodations: English Learners

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### Accommodations: Students with Disabilities

#### Timing

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#### Setting

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#### Presentation

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Interpreting/transliterating the test ................................................................. No

**Response**

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**Accommodations: English Learners**

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Introduction to Programming Using HTML and CSS Examination 98-383

Accommodations: Students with Disabilities

**Timing**
- Multiple test sessions ................................................................. No
- Time of day ................................................................................. Yes
- Order of tasks ............................................................................. No
- Planned breaks during test .......................................................... No

**Setting**
- Test location ............................................................................... Yes
- Adaptive or special furniture ..................................................... Yes
- Special lighting ........................................................................... Yes

**Presentation**
- Written directions accompanying oral directions ......................... No
- Specific verbal prompts ................................................................. No
- Visual aids .................................................................................. No
- Amplification equipment ............................................................... Yes
- Headphones, earmuffs, or earplugs .............................................. Yes
- Large-print test ............................................................................. Yes
- Braille test .................................................................................. No
- Read-aloud test ............................................................................ Yes
- Audio test .................................................................................... No
- Interpreting/transliterating testing directions ................................. No
- Interpreting/transliterating the test .............................................. No

**Response**
- Enlarged copy of the answer document ........................................ Yes
- Communication board or choice cards ......................................... No
- Examiner records responses ....................................................... No
- Brailler .......................................................................................... No
- Word processor or word processor with speech-to-text ................ No
- Augmentative communication device .......................................... No
- Word prediction software ............................................................. No
- Spelling aids ............................................................................... No
- English dictionary ........................................................................ No
Dictation using a recording device................................................................................................................... No
Dictation to a scribe............................................................................................................................................ Yes
Read back student response ............................................................................................................................ No
Calculator and arithmetic tools.................................................................................................................... No
Calculator with additional functions ............................................................................................................ No
Math aids......................................................................................................................................................... No
Dry erase board ............................................................................................................................................. No
Additional writing implements ...................................................................................................................... No

Accommodations: English Learners

Audio test......................................................................................................................................................... No
Bilingual dictionary ........................................................................................................................................ No
Dictation to scribe........................................................................................................................................ No
English dictionary .......................................................................................................................................... No
Examiner records responses .......................................................................................................................... No
Flexible schedule.......................................................................................................................................... Yes
Multiple test sessions ................................................................................................................................ No
Read-aloud test .............................................................................................................................................. No
Test directions delivery ................................................................................................................................. No
Visual aids ..................................................................................................................................................... No

Introduction to Programming Using Java Examination 98-388

Accommodations: Students with Disabilities

Timing

Multiple test sessions ..................................................................................................................................... No
Time of day .................................................................................................................................................... Yes
Order of tasks ................................................................................................................................................ No
Planned breaks during test ............................................................................................................................ No

Setting

Test location .................................................................................................................................................. Yes
Adaptive or special furniture .......................................................................................................................... Yes
Special lighting ............................................................................................................................................. Yes

Presentation

Written directions accompanying oral directions .......................................................................................... No
Specific verbal prompts ................................................................................................................................ No
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Software Development Fundamentals Examination 98-361

- **Flexible schedule**: Yes
- **Multiple test sessions**: No
- **Read-aloud test**: No
- **Test directions delivery**: No
- **Visual aids**: No
- **Timing**
  - Multiple test sessions: No
  - Time of day: Yes
  - Order of tasks: No
  - Planned breaks during test: No
- **Setting**
  - Test location: Yes
  - Adaptive or special furniture: Yes
  - Special lighting: Yes
- **Presentation**
  - Written directions accompanying oral directions: No
  - Specific verbal prompts: No
  - Visual aids: No
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