The Education Edge / The Financial Edge 7.82

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Minimum System Requirements

This document lists the minimum system infrastructure required to run your Blackbaud system. We recommend the purchase of top-of-the-line equipment when possible and that organizations budget for continual upgrades to their system. Please note that system requirements are subject to change, so make sure you have the latest information before making any purchases.

In addition to the following requirements, Blackbaud strongly recommends the purchase and scheduled use of a tape or archival backup solution. The Blackbaud Management Console includes a backup utility to make or schedule backups while the database engine is running. Blackbaud recommends regular testing of your backups to ensure reliability.

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standalone/workstation minimum requirements	
operating system	• Windows 2000 Professional. SP4 is required. • Windows XP Professional (including x64 Edition). SP2 is required; SP3 is supported. • Windows Vista (32-bit and 64-bit). SP1 and 2 are supported. • Windows 7(32-bit and 64-bit). SP1 is supported. **Note:** Home editions of Windows operating systems are not supported. **Note:** Windows Vista and Windows 7 are not compatible when running a combined build of *Accounting for Nonprofits* 6 (*Student Billing*, *Payroll*, etc.) and *The Education Edge / The Financial Edge* 7. **Note:** Support for *Student Billing* 6 and *Payroll* 6 ended September 30, 2008.
processor (CPU)	1.7GHz Intel Pentium IV equivalent or faster
memory (RAM)	1 GB minimum (additional RAM may be required if using Windows Vista or Windows 7)
disk space	1 GB minimum for program and system files; plus 500 MB free disk space for processing activities. **Note:** For standalone workstations, use the Disk Space chart under Database Server Requirements to estimate the disk space needed for database files.
display	SVGA (800 x 600 resolution; 256 colors) minimum, 16-bit color or better recommended.
database server minimum requirements	
operating system	• Windows Server 2000 or Windows Advanced Server 2000. SP4 is required. • Windows Server 2003 (32-bit and 64-bit). SP1 is required; SP2 is supported. • Windows Server 2008 (32-bit and 64-bit). SP2 is supported. • Windows Server 2008 R2 (64 bit). SP1 is supported. **Note:** Domain controllers, Small Business Servers, NT 4.0 Server, and peer-to-peer networks are not supported.
SQL server	• SQL Server 2005 (Express, 32-bit, and 64-bit) is compatible with *The Education Edge* 7.6 and higher. SP3 is required with *The Education Edge* 7.80 and higher. SP4 is supported. • SQL Server 2008 (Express, 32-bit, and 64-bit) is compatible with *The Education Edge* 7.77 and higher. SP1 is required with *The Education Edge* 7.80 and higher. SP2 and 3 are supported. • SQL Server 2008 R2 (Express, 32-bit, and 64-bit) is compatible with *The Education Edge* 7.82 and higher. SP1 is supported. **Note:** SQL Server 2005 and 2008 are not compatible when running a combined build of *Accounting for Nonprofits* 6 (*Student Billing*, *Payroll*, etc.) and *The Education Edge* 7. **Note:** Support for *Student Billing* 6 and *Payroll* 6 ended September 30, 2008. Support for SQL Server 2000 ended March 31, 2010.

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processor (CPU)	◆ Fewer than 10 *Education Edge* users and/or small databases (fewer than 250,000 records): 1.7GHz Pentium IV equivalent or better. ◆ More than 10 *Education Edge* users and/or large databases (more than 250,000 records): 3.0GHz Pentium IV equivalent or better. ◆ Larger networks and databases require faster processors. ◆ A dedicated database server, especially with high user loads and activity, is recommended. No mission-critical databases or other client/server applications, including other Blackbaud applications, should run on the same server. ◆ If you run more than one client/server application on the same server, the server needs to exceed the minimum requirements for optimal performance.

memory (RAM)	1 GB minimum. More memory may be required for databases larger than 1 GB.
	   ◆ SQL Server 2005 Express: Maximum memory utilized is 1 GB.
	   ◆ SQL Server 2005 Workgroup Edition: Maximum memory utilized is 3 GB.
	   ◆ SQL Server 2008 Workgroup Edition: Maximum memory utilized is 4 GB.
	   ◆ SQL Server 2005/2008 Standard and SQL Server 2000/2005/2008 Enterprise Edition: Maximum memory utilized is the maximum that your operating system will support.
	
	Note: SQL Server can dynamically allocate the optimal amount of memory (or cache) to the database to increase performance. Consider purchasing more than the required RAM to allow for a larger cache.

disk space	1.5 GB minimum for program, system, and database management console files; plus 750 MB for the workstation deployment files, which can be installed in a different location. Additional space is required for the database. Disk space requirements for updating from version 6.x: ◆ If you convert from *Accounting for Nonprofits* to *The Financial Edge* 7.2 or higher, you will need free disk space equal to four times the database size to run the conversion. After conversion, your *Financial Edge* database will be approximately twice the size of the *Accounting for Nonprofits* database and will require twice the free disk space for general use than your *Accounting for Nonprofits* database required. ◆ If you convert from *Education Administration* to *The Education Edge* 7.3 or higher, you will need free disk space equal to seven times the size of your *Education Administration* database, plus 500 MB. After conversion, *The Education Edge* database will be approximately three times the size of your *Education Administration* database and will require three times the disk space for general use than your *Education Administration* database required. **Note:** Requirements vary, depending on the number of records and the additional modules used.
hard disk	A high-performance disk subsystem is recommended.

Web Applications (Faculty Access for the Web, NetClassroom, Online Campus Community, WebPortal)

Faculty Access for the Web and NetClassroom workstation minimum requirements	
browser	With the release of 7.83.0.25 in August, 2011, *Faculty Access for the Web* and *NetClassroom* are compatible with W3C-compliant browsers (www.w3.org). The look and feel of the applications may vary across different client browsers based on their level of CSS support. ◆ **Note:** Full-page functionality testing is conducted on IE 8.0, IE 9.0 and Mozilla's Firefox family.
internet connection	An internet connection is required to use *Faculty Access for the Web* and *NetClassroom*. A broadband (DSL or cable) or faster connection is recommended.
Online Campus Community (OCC)	
compatibility	*The Education Edge* 7.82 requires *Blackbaud NetCommunity* 6.10 and patch 8 or higher and *Online Campus Community* 3.12 or higher. Please refer to the OCC system requirements for more information.
WebPortal workstation minimum requirements	
browser	◆ PCs: Internet Explorer 7, 8 and 9. Latest version of Firefox. ◆ Macintosh: Latest version of Firefox.

	◆ Minimum screen resolution 1024x768.
internet connection	An internet connection is required to use *WebPortal*. A broadband (DSL or cable) or faster connection is recommended.

web server minimum requirements

operating system	◆ Windows Server 2003 (32-bit and 64-bit) installed with IIS 6.0 (in 32-bit mode). ◆ Windows Server 2008 (32-bit and 64-bit) installed with IIS 7.0 (in 32-bit mode). ◆ Windows Server 2008 R2 (64-bit) installed with IIS 7.5 (in 64 bit mode). **Note:** Domain controllers, Small Business Servers, NT 4.0 Server, and peer-to-peer networks are not supported. **Note**: Separate web and database servers are required for *Faculty Access for the Web*, *NetClassroom*, and *Online Campus Community*. It is recommended for *WebPortal*. *NetClassroom* 7.6 and higher requires a dedicated web server (e.g., not installed on the same web server as *Faculty Access for the Web* or *WebPortal*). **Note**: **The Education Edge** client needs to be installed on Blackbaud web application web server(s).
processor (CPU)	3.0GHz Pentium IV equivalent or better
memory (RAM)	1 GB minimum
disk space	2GB minimum for program and system files
internet connection	If the web application is accessed via the Internet, Blackbaud recommends using a high-speed Internet connection.
security	Blackbaud recommends securing your web server with Secure Socket Layer (SSL) or equivalent technology to prevent unauthorized access to transmitted data. **Note:** Blackbaud is not responsible for the installation, configuration, and testing of any web security measures. Blackbaud assumes no responsibility for the security of your web server and any adverse consequences resulting from security issues. Blackbaud software does not establish or modify security on the web server. Refer to http://www.microsoft.com for specific security measures and NTFS permissions needed by Windows Server 2003 and 2008 and IIS.

Accounting Forms/Blackbaud Forms

With the optional module *Accounting Forms*, you can print accounting forms (including checks, statements, invoices, and purchase orders) on blank paper. You can print checks according to your bank's specifications on standard blank check stock. An HP LaserJet series printer that supports Magnetic Ink Character Recognition (MICR) is required to print checks. For more information, visit http://www.blackbaud.com/products/financial/modules.aspx.

Blackbaud Forms provides computer forms (such as checks, statements, and purchase orders) and envelopes specifically designed for use with **The Education Edge / The Financial Edge**. Blackbaud forms are guaranteed to align correctly and can be customized to your organization's specifications, using your logo, special inks, and print styles. Pre-printed forms from other suppliers are not guaranteed to align properly and are not supported by Blackbaud. For more information, visit http://forms.blackbaud.com.

School Store Manager/Point of Sale

Blackbaud's *School Store Manager* includes Microsoft's Retail Management System (RMS) Store Operations™ and version 1.2 is compatible with **Student Billing** 6 and **Student Billing** 7*.* Both versions of Student Billing are supported with RMS 1.3 and 2.0. However RMS version 1.3 and 2.0 is only supported with **Student Billing** 7 if it does not integrate with RMS for **The Raiser's Edge** 7. QuickSell 2000 is not supported with **Student Billing** 7. If you plan to use *School Store Manager* with **Student Billing** 7, convert to Retail Management Systems before converting to **Student Billing 7**.

Point of Sale 7 includes Retail Management System Store Operations™ and is compatible with **The Raiser's Edge** 7 (see **The Raiser's Edge** system recommendations for specific compatibility requirements)*.* *Point of Sale* 6 includes QuickSell 2000™ and is compatible with **The Raiser's Edge** 6. Microsoft Dynamics *Point of Sale* 2009 is not supported for **The Financial Edge**. For Retail Management Systems Store Operations™ and QuickSell 2000™ system requirements, visit http://www.microsoft.com. If you use SQL Server 2005 and have *School Store Manager*, you must activate ad-hoc querying (about four steps).

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CounterPoint

For CounterPoint system requirements, visit http://www.synchronics.com/products/cpsql_sysreq.htm.

F9

For F9 system requirements, visit http://www.f9.com/downloads/Blackbaud_Trial.aspx.

ABM

For ABM system requirements, visit http://www.blackbaud.com/files/support/downloads/abm/abmsysreq.pdf.

PaperSave

For PaperSave 4 system requirements, visit
http://downloads.papersave.com/Support/Documentation/4.12/PaperSave%AE%20Enterprise%20Deployment%20Whitepaper.pdf.

For PaperSave 5 system requirements, visit
http://downloads.papersave.com/Support/Documentation/Blackbaud/PaperSave%205%20PreReqs%20for%20FE%20v4.pdf.

Other Compatibility Information

third-party software	The following third-party software is included with *The Education Edge* installation: • Microsoft SQL Server 2005 Express with SP3 • Microsoft SQL Server 2005 Backwards Compatibility Components • Jet 4.0 • Microsoft .Net Framework Version 2.0.50727 • Microsoft Data Access Components 2.8 • Windows Installer 3.1 • Microsoft XML3 Components • Microsoft XML4 Components • Adobe Acrobat Reader 5.0.5 • *Visual Basic for Applications* (optional module) • Crystal Decisions *Crystal Reports for Blackbaud* version 8.5 Standard (one user license for *The Education Edge / The Financial Edge*; *Crystal Reports Professional* is supported, but not included). • *Crystal Reports XI*-viewer is installed to view custom reports within *The Education Edge / The Financial Edge* that were written in Crystal XI. **Note**: Microsoft Office 2000, Office XP, Office 2003, Office 2007, or Office 2010 is required to use the Microsoft Integration features. Microsoft offers three licensing models for customers to license SQL Server 2005. Each model is designed to meet specific customer needs. For Web applications, Microsoft recommends a separate Processor license for each processor used by the SQL Server instance. It includes access for an unlimited number of users or devices to connect to the SQL Server instance from either inside or outside the firewall. You do not need to purchase additional Server Licenses or client access licenses (CALs) when licensed under the per processor model. When purchasing Blackbaud Web applications, you should review your Microsoft SQL licenses and ensure you have the required licensing. For further information about Microsoft's SQL Server licensing requirements, click http://www.microsoft.com/sql/howtobuy/sqlserverlicensing.mspx. **Note**: Blackbaud does not support case sensitive collation sequences with SQL Server.
electronic funds transfer	The optional module *Electronic Funds Transfer* allows you to process direct debits and credit card transactions to your **Accounts Payable** bank account. Supported bank EFT formats for the United States: • U.S. bank standard EFT format Supported bank EFT formats for Canada:

	◆ Bank of Nova Scotia (Scotiabank) format ◆ CIBC 1464 standard format ◆ CPA 1464 format (default) ◆ EFT Canada Excel format ◆ National Bank 1464 standard format ◆ Royal Bank 1464 format ◆ Toronto Dominion 1464 standard format Supported bank EFT formats for Australia: ◆ Australia bank standard EFT format Supported bank EFT formats for New Zealand: ◆ BNZ bank standard EFT format ◆ ANZ bank standard EFT format
email	MAPI-compliant (a Microsoft email standard) email system is required. **Note:** Some vendors do not fully implement the MAPI standard. Blackbaud cannot guarantee these products will work with email features in *The Education Edge / The Financial Edge*. Blackbaud has tested compatibility with Microsoft Outlook 2000, XP, 2003, 2007, and 2010 only.
mail merge	Microsoft Word versions 2000, XP, 2003 Professional, 2007, and 2010 are supported.
printers	Reports and forms in Blackbaud products have been specifically designed and tested with HP LaserJet laser printers. *The Education Edge / The Financial Edge* do not support dot matrix printers.
server-based computing ("thin-client" technology)	*The Education Edge / The Financial Edge* is compatible with Windows Server 2000 Terminal Services, Windows Server 2003 Terminal Services, Windows Server 2008 Terminal Services, and Citrix hosting solutions. These thin-client technologies provide complete access to Blackbaud applications over low-bandwidth connections (dial-up, 56K, ISDN) from low-end legacy PCs or from computers running non-supported operating systems such as Macintosh or OS/2. In these environments, all application processing occurs on a single, centralized server. For information on Microsoft Terminal Services Edition, visit http://www.microsoft.com. For information on Citrix, visit http://www.citrix.com. To determine your hardware requirements, Citrix suggests a pilot setup and the use of performance tools to measure the impact that users, applications, and location have on setup. Consult with qualified information systems professionals when implementing this technology.