

**INFORMATION TECHNOLOGY  
EQUIPMENT LIST**

| <b>Course</b>                                     | <b>Computer Management and Support</b> | <b>Database Design I</b> | <b>Database Design II</b> | <b>Database Design III</b> | <b>Information Technology Fundamentals</b> | <b>Information Technology Support and Services</b> | <b>Java Programming</b> | <b>Networking I</b> | <b>Networking II</b> | <b>Networking III</b> | <b>Networking IV</b> | <b>Software Development</b> | <b>Approximate Unit Cost</b> | <b>@ 15 Students</b> |
|---|--|--------------------------|---------------------------|----------------------------|--|--|-------------------------|---------------------|----------------------|-----------------------|----------------------|-----------------------------|------------------------------|----------------------|
| <b>Equipment - Required*</b>                      |  |                          |                           |                            |  |  |                         |                     |                      |                       |                      |                             |                              |                      |
| Computer <sup>1</sup>                             | 15                                     | 15                       | 15                        | 15                         | 15   | 15   | 15                      | 15                  | 15                   | 15                    | 15                   | 15                          | 865.00                       | 12,975.00            |
| Laptop Computer <sup>2</sup> (one per instructor) | 1                                      | 1                        | 1                         | 1                          | 1  | 1  | 1                       | 1                   | 1                    | 1                     | 1                    | 1                           | 1,343.00                     | 1,343.00             |
| Network Color Laser Printer <sup>3</sup>          | 1                                      | 1                        | 1                         | 1                          | 1  | 1  | 1                       | 1                   | 1                    | 1                     | 1                    | 1                           | 1,279.00                     | 1,279.00             |
| Laserjet, Deskjet, or Color Laserjet <sup>4</sup> | 3                                      | 3                        | 3                         | 3                          | 3  | 3  | 3                       | 3                   | 3                    | 3                     | 3                    | 3                           | 399.00                       | 1,197.00             |
| Multiple Outlets w/Surge Protection <sup>5</sup>  | Appropriate                            | Appropriate              | Appropriate               | Appropriate                | Appropriate                                | Appropriate  | Appropriate             | Appropriate         | Appropriate          | Appropriate           | Appropriate          | Appropriate                 |                              |                      |
| Interactive Whiteboard or Other Comparable Device | 1                                      | 1                        | 1                         | 1                          | 1  | 1  | 1                       | 1                   | 1                    | 1                     | 1                    | 1                           | 1,670.00                     | 1,670.00             |
| Multimedia (LCD) Projector                        | 1                                      | 1                        | 1                         | 1                          | 1  | 1  | 1                       | 1                   | 1                    | 1                     | 1                    | 1                           | 599.00                       | 599.00               |
| Scanner, w/OCR Capabilities <sup>6</sup>          | 1                                      | 1                        | 1                         | 1                          | 1  | 1  | 1                       | 1                   | 1                    | 1                     | 1                    | 1                           | 382.50                       | 382.50               |
| Digital Camera                                    | 1                                      | 1                        | 1                         | 1                          | 1  | 1  | 1                       | 1                   | 1                    | 1                     | 1                    | 1                           | 83.00                        | 83.00                |
| Document Camera                                   | 1                                      | 1                        | 1                         | 1                          | 1  | 1  | 1                       | 1                   | 1                    | 1                     | 1                    | 1                           | 351.95                       | 351.95               |
| Webcam w/microphone                               |  | 2                        | 2                         | 2                          | 2  | 2  | 2                       | 2                   | 2                    | 2                     | 2                    | 2                           | 29.99                        | 59.98                |
| Computer Speakers                                 |  | 15                       | 15                        | 15                         | 15   | 15   | 15                      | 15                  | 15                   | 15                    | 15                   | 15                          | 39.99                        | 599.85               |
| MP3 Player or Other Comparable Device             | 1                                      | 1                        | 1                         | 1                          | 1  | 1  | 1                       | 1                   | 1                    | 1                     | 1                    | 1                           | 29.99                        | 29.99                |
| Video Camera or Other Comparable Device           | 1                                      | 1                        | 1                         | 1                          | 1  | 1  | 1                       | 1                   | 1                    | 1                     | 1                    | 1                           | 159.00                       | 159.00               |
| Computer Workstation <sup>7</sup>                 |  |                          |                           |                            |  |  |                         |                     |                      |                       |                      |                             | 226.61                       | 1,812.88             |
| Computer Workstation Chair                        | 15                                     | 15                       | 15                        | 15                         | 15   | 15   | 15                      | 15                  | 15                   | 15                    | 15                   | 15                          | 148.50                       | 2,227.50             |
| Screen or Whiteboard                              | 1                                      | 1                        | 1                         | 1                          | 1  | 1  | 1                       | 1                   | 1                    | 1                     | 1                    | 1                           | 275.95                       | 275.95               |
| Shredder  | 1                                      | 1                        | 1                         | 1                          | 1  | 1  | 1                       | 1                   | 1                    | 1                     | 1                    | 1                           | 249.00                       | 249.00               |
| File Cabinet, 4 -or 5 - Drawer Locking            | 2                                      | 2                        | 2                         | 2                          | 2  | 2  | 2                       | 2                   | 2                    | 2                     | 2                    | 2                           | 394.50                       | 789.00               |
| Telephone   |  |                          |                           |                            |  |  |                         |                     |                      |                       |                      |                             | 139.99                       | 139.99               |
| Storage Cabinet (locking)                         | 2                                      | 2                        | 2                         | 2                          | 2  | 2  | 2                       | 2                   | 2                    | 2                     | 2                    | 2                           | 199.99                       | 399.98               |
| Computer Rack (open frame)                        | 1                                      | 1                        | 1                         | 1                          | 1  | 1  | 1                       | 1                   | 1                    | 1                     | 1                    | 1                           | 500.00                       | 500.00               |
| Patch Panels (Rackmount) w/ 24-48 ports           |  |                          |                           |                            |  |  |                         | 1                   | 1                    | 1                     | 1                    |                             | 92.00                        | 92.00                |
| Printer Stand                                     | 1                                      | 1                        | 1                         | 1                          | 1  | 1  | 1                       | 1                   | 1                    | 1                     | 1                    | 1                           | 135.00                       | 135.00               |

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|--|--|--|--|--|--|--|--|--|--|--|--|--|------------------------------|----------------------|
| <b>Equipment - Required*</b>                             |  |  |  |  |  |  |  |  |  |  |  |  |                              |                      |
| USB Flash Drives (2GB Minimum)**                         | 15   | 15                                     | 15                                     | 15                                     | 15   | 15   | 15                                     | 15                                     | 15                                     | 15                                     | 15                                     | 15                                     | 24.00                        | 360.00               |
| Hole Punch, Adjustable                                   | 1  | 1                                      | 1                                      | 1                                      | 1  | 1  | 1                                      | 1                                      | 1                                      | 1                                      | 1                                      | 1                                      | 44.19                        | 44.19                |
| Anti-Static Work Mats                                    | 15   |  |  |  | 15   | 15   |  | 15                                     | 15                                     | 15                                     | 15                                     |  | 150.00                       | 2,250.00             |
| Motherboards - Intel Core                                | 15   | 15                                     | 15                                     | 15                                     | 15   | 15   | 15                                     | 15                                     | 15                                     | 15                                     | 15                                     | 15                                     | 75.00                        | 1,125.00             |
| Cable Scissors/Wire Cutters                              |  |  |  |  |  |  |  | 15                                     | 15                                     | 15                                     | 15                                     |  | 62.00                        | 930.00               |
| CAT 5/6 Lan Network Tester                               |  |  |  |  |  |  |  | 2                                      | 2                                      | 2                                      | 2                                      |  | 750.00                       | 1,500.00             |
| Bulk UTP Cable, CAT 5e                                   |  |  |  |  |  |  |  | 1                                      | 1                                      | 1                                      | 1                                      |  | 120.99                       | 120.99               |
| Bulk UTP Cable, CAT 6                                    |  |  |  |  |  |  |  | 1                                      | 1                                      | 1                                      | 1                                      |  | 399.99                       | 399.99               |
| Computer Cleaning Kit                                    | 15   |  |  |  | 15   | 15   |  | 15                                     | 15                                     | 15                                     | 15                                     |  | 120.00                       | 1,800.00             |
| Computer Repair Tool Kit                                 | 15   | 1                                      | 1                                      | 1                                      | 15   | 15   | 1                                      | 15                                     | 15                                     | 15                                     | 15                                     | 1                                      | 15.00                        | 225.00               |
| Connectors – RJ 45 (50 pack)                             |  |  |  |  |  |  |  | 15                                     | 15                                     | 15                                     | 15                                     |  | 45.00                        | 675.00               |
| RJ45 Crimping Tool                                       |  |  |  |  |  |  |  | 15                                     | 15                                     | 15                                     | 15                                     |  | 19.99                        | 299.85               |
| Digital Multimeter Tester                                |  |  |  |  |  |  |  | 2                                      | 2                                      | 2                                      | 2                                      |  | 85.00                        | 170.00               |
| Headphones Set (with Microphone)                         | 2  | 2                                      | 2                                      | 2                                      | 2  | 2  | 2                                      | 2                                      | 2                                      | 2                                      | 2                                      | 2                                      | 147.00                       | 294.00               |
| Managed Switches (rack mountable)                        |  |  |  |  |  |  |  | 5                                      | 5                                      | 5                                      | 5                                      |  | 477.00                       | 2,385.00             |
| Routers  |  |  |  |  |  |  |  | 3                                      | 3                                      | 3                                      | 3                                      |  | 50.00                        | 150.00               |
| Safety Goggles   | 1  |  |  |  | 15   | 15   |  | 15                                     | 15                                     | 15                                     | 15                                     |  | 2.25                         | 33.75                |
| Dedicated Servers with current OS options                |  |  |  |  |  |  |  | 4                                      | 4                                      | 4                                      | 4                                      |  | 1,000.00                     | 4,000.00             |
| Integrated Software Packages w/Site License <sup>8</sup> | 1<br>installed<br>copy per<br>computer     | 1<br>installed<br>copy per<br>computer | 1<br>installed<br>copy per<br>computer | 1<br>installed<br>copy per<br>computer | 1<br>installed<br>copy per<br>computer         | 1<br>installed<br>copy per<br>computer                 | 1<br>installed<br>copy per<br>computer | 1<br>installed<br>copy per<br>computer | 1<br>installed<br>copy per<br>computer | 1<br>installed<br>copy per<br>computer | 1<br>installed<br>copy per<br>computer | 1<br>installed<br>copy per<br>computer | 8,000.00                     | 8,000.00             |
| Soldering Iron Kit                                       |  |  |  |  |  |  |  | 1                                      | 1                                      | 1                                      | 1                                      |  | 50.00                        | 50.00                |
| Uninterrupted Power Supply (UPS)                         | 1  | 1                                      | 1                                      | 1                                      | 1  | 1  | 1                                      | 1                                      | 1                                      | 1                                      | 1                                      | 1                                      | 490.00                       | 490.00               |
| Wireless Routers   |  |  |  |  |  |  |  | 2                                      | 2                                      | 2                                      | 2                                      |  | 75.00                        | 150.00               |

| INFORMATION TECHNOLOGY EQUIPMENT LIST                             |                                 |                   |                    |                     |                                     |   |                  |              |               |                |               |                      |                       |               |
|---|---------------------------------|-------------------|--------------------|---------------------|-------------------------------------|---|------------------|--------------|---------------|----------------|---------------|----------------------|-----------------------|---------------|
| Course  | Computer Management and Support | Database Design I | Database Design II | Database Design III | Information Technology Fundamentals | Information Technology Support and Services | Java Programming | Networking I | Networking II | Networking III | Networking IV | Software Development | Approximate Unit Cost | @ 15 Students |
| Equipment - Required*   |                                 |                   |                    |                     |                                     |   |                  |              |               |                |               |                      |                       |               |
| Work Tables   | 3                               |                   |                    |                     | 3                                   | 3   |                  | 3            | 3             | 3              | 3             |                      | 225.00                | 675.00        |
| <b>OPTIONAL EQUIPMENT</b>   |                                 |                   |                    |                     |                                     |   |                  |              |               |                |               |                      |                       |               |
| Fiber Termination Kit (Basic)                                     |                                 |                   |                    |                     |                                     |   |                  | 1            | 1             | 1              | 1             |                      | 768.00                | 768.00        |
| Fiber Test Network Tool Kit (Basic)                               |                                 |                   |                    |                     |                                     |   |                  | 1            | 1             | 1              | 1             |                      | 1,200.00              | 1,200.00      |
| Tablet Devices <sup>9</sup>                                       | 15                              | 15                | 15                 | 15                  | 15                                  | 15  | 15               | 15           | 15            | 15             | 15            | 15                   | 628.00                | 9,420.00      |
| <b>ESTIMATED TOTAL COST OF REQUIRED EQUIPMENT***</b>              |                                 |                   |                    |                     |                                     |   |                  |              |               |                |               |                      | <b>\$53,478.34</b>    |               |
| <b>ESTIMATED TOTAL COST OF REQUIRED AND OPTIONAL EQUIPMENT***</b> |                                 |                   |                    |                     |                                     |   |                  |              |               |                |               |                      | <b>\$64,866.34</b>    |               |

<sup>1</sup>Computers should have network, graphics/video, sound, and Internet ready. Operating software should be Windows 7 or higher. Software should include programs in word processing, spreadsheet, graphics, desktop/Web publishing, database, presentation, automated accounting, and Internet browsing. Note: At least 25% of computers should be replaced annually and meet the following requirements: PC w/monitor. Minimum specifications: Intel Core 2 Duo processor or higher, Windows 7 or higher, NIC, 80 GB hard drive, keyboard & mouse, DVD/CD writable combo, 4 GB RAM, Office Suite installed or equivalent. A laptop with similar specifications may be used. A device must be purchased for each student based on the highest class enrollment.

<sup>2</sup> Minimum Specifications for Laptop: Core 2 Duo or higher, Windows 7 or higher, Wireless Networking & NIC, 80 GB Hard Drive, Wireless Mouse, DVD/CD Writable Combo, 4 GB RAM.

<sup>3</sup> Network Color Laser Printer may be an All-In-One device.

<sup>4</sup> Laserjet, Deskjet, or Color Laserjet Printer may substitute for a network color laser printer.

<sup>5</sup> Multiple outlet sources should be appropriate to number of computers and include a cabling management system. Cords from computers to outlets must meet safety standards.

<sup>6</sup>Scanner w/OCR capabilities may be part of an All-In-One device.

<sup>7</sup>Computer Workstation Desks, computer stations, and/or adjustable computer tables with cable management capabilities and office compatible chairs. Note: Computer stations/tables should be located in accessible proximity to networking switches and multiple outlets. Price quoted for item is a modular piece that seats two students.

<sup>8</sup> Software requirements are recommended to include: Norton Ghost, Linux Operating System, Unix Operating System, Visual Studio, Database Management System - SQL Server or Oracle.

<sup>9</sup>Minimum Specifications for Tablet Devices: 8 GB or 16 GB storage capacity with Wi-Fi capability.

\*Quantities represented should be adjusted to accommodate highest class enrollment.

\*\*Student access to a cloud or network storage solution may be substituted.

\*\*\*Classroom lab must be equipped for wired Internet connection.

NOTE: Equipment requirements apply to ALL new courses developed after the 2008 Alabama Course of Study: Career and Technical Education using the highest course level in a pathway as minimum requirements.