Step 1  Reviewed change at division meeting.  

Step 2  Presented as informational item at Division Chair Meeting(s) and checked if it affects other departments.  Like programs must meet with Division Chairs on all affected campuses (North Mankato and Faribault).

Division Chair’s signature

Step 3  Instructional Dean reviewed and indicated need for Curriculum Committee approval.

Instructional Dean’s signature

Step 4  Advisory Committee approval indicated in meeting minutes if necessary. Minutes provided to Curriculum Committee.

Step 5  Curriculum Committee made recommendations (changes, additional approvals, etc.).  If no, skip to Step 7.

Step 6  Committee’s recommendations completed. (Skip if not applicable.)

Step 7  Curriculum Committee approved.

Curriculum Committee Chair’s signature

Step 8  Minutes and necessary materials provided to VP of Academic Affairs.

Step 9  Vice President of Academic Affairs approved.

Vice President of Academic Affairs’ signature

Step 10  **New** Course Maximum Enrollment to Shared Governance.

Step 11  President’s approval for all changes requiring MnSCU approval.

President’s signature
Appendix C

New Program or Program Change Proposal Form

Date of Proposal: February 7, 2014

Author: Linda Anderson

Proposal Type: New Program

Contact for the Program: Linda Anderson

Program Name: Network Administration Certificate

Division in Which Program is Currently or Will Be Held: Work Force Education & Training - Business

Proposal Start (Term/Year): Fall 2014

Program Description: This certificate provides students with the skills they need to install, troubleshoot and support computers and servers in small- to medium-sized computer networks. Through hands-on experience building, configuring, and managing computer network hardware and software, students will develop a broad background in networking technologies, administration, and support. Successful graduates will be ready to pursue careers in network support and administration, and the electives included in the program allow students to custom design their certificate based on their needs and employment goals.

In addition, the program prepares students for a wide variety of industry certification exams, including Network+, Linux+, LPI, MCP, Security+ and VCP in the areas of Cisco Networking, Microsoft, Security, and Technical Support. Students can take these exams at the South Central College Testing Center.

Prior to entry into the program it is strongly recommend that students should complete the Computer Assistant Certificate or have advanced computer literacy and/or IT related industry experience.

Degrees Offered: AS AAS AA Diploma Certificate

Program Location: Faribault Campus North Mankato Campus Online

Prerequisites: NA

Number of Credits: Certificate is 20 credits.

If There is a Program Change, Summarize Changes to the Program:

Rationale for Program Development or Program Change: To update the curriculum.

What Impact Will this New Program or Change Have on Other Programs or Areas? None

Are There Articulations With Other Colleges? List College(s): No

Attach Program Design to this Form. Below are Some Recommended Items:

a. List of program requirements (i.e.: what the catalog page shows for each program).
b. Cross walk from previous program curriculum to new (how students already started in the old program can finish after this new program begins).
c. All required course numbers and titles.
d. Additional supporting information, such as minutes documenting recommendation for proposal.
# Network Administration Certificate

## 2014-2015 New

## Network Administration Certificate – 20 Credits

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP2460</td>
<td>Linux Administration</td>
<td>4</td>
</tr>
<tr>
<td>COMP2462</td>
<td>Microsoft Administration</td>
<td>4</td>
</tr>
<tr>
<td>COMP2466</td>
<td>Routing and Switching</td>
<td>4</td>
</tr>
<tr>
<td>COMP2475</td>
<td>Security Basics</td>
<td>4</td>
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</table>

### Elective – Choose one course

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPxxxx</td>
<td>Cloud Computing</td>
<td>4</td>
</tr>
<tr>
<td>COMPxxxx</td>
<td>Information Storage &amp; Mgmt</td>
<td>4</td>
</tr>
<tr>
<td>COMPxxxx</td>
<td>Computer Virtualization</td>
<td>4</td>
</tr>
<tr>
<td>COMPxxxx</td>
<td>Emerging Technologies</td>
<td>4</td>
</tr>
<tr>
<td>COMP2145</td>
<td>Web Programming</td>
<td>4</td>
</tr>
<tr>
<td>COMP2150</td>
<td>Web Services [XML]</td>
<td>4</td>
</tr>
<tr>
<td>COMP2300</td>
<td>Java</td>
<td>4</td>
</tr>
<tr>
<td>COMP2310</td>
<td>VB.NET</td>
<td>4</td>
</tr>
</tbody>
</table>

### New Course.

Total Credits* 20
Appendix C

New Program or Program Change Proposal Form

<table>
<thead>
<tr>
<th>Date of Proposal:</th>
<th>February 7, 2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Author:</td>
<td>Linda Anderson</td>
</tr>
<tr>
<td>Proposal Type:</td>
<td>New Program</td>
</tr>
<tr>
<td></td>
<td>Program Redesign</td>
</tr>
<tr>
<td>Suspend Program</td>
<td>Reinstall Program</td>
</tr>
<tr>
<td>Add Emphasis</td>
<td>Delete Emphasis</td>
</tr>
<tr>
<td>Contact for the Program:</td>
<td>Linda Anderson</td>
</tr>
<tr>
<td>Program Name:</td>
<td>Cloud Computing and Virtualization Administrative Certificate</td>
</tr>
<tr>
<td>Division in Which Program is Currently or Will Be Held:</td>
<td>Work Force Education &amp; Training - Business</td>
</tr>
<tr>
<td>Proposal Start (Term/Year):</td>
<td>Fall 2014</td>
</tr>
<tr>
<td>Program Description:</td>
<td>This certificate provides a complete introduction to Cloud Computing, Virtualization, legacy hardware and software considerations and approaches to transitioning Information Technology from legacy systems to a shared managed service model. Through practical, hands-on activities, students will learn the technical infrastructure and administrative requirements of server-based computing utilizing both open source and proprietary virtualization software. Various Cloud Computing models will be covered including Private, Public, Hybrid and Community. Prior to entry into the program it is strongly recommend that students should complete the Computer Assistant Certificate or have advanced computer literacy and/or IT related industry experience.</td>
</tr>
<tr>
<td>Degrees Offered:</td>
<td>AS</td>
</tr>
<tr>
<td>Program Location:</td>
<td>Faribault Campus</td>
</tr>
<tr>
<td>Prerequisites:</td>
<td>NA</td>
</tr>
<tr>
<td>Number of Credits:</td>
<td>Certificate is 20 credits.</td>
</tr>
<tr>
<td>If There is a Program Change, Summarize Changes to the Program:</td>
<td></td>
</tr>
<tr>
<td>Rationale for Program Development or Program Change:</td>
<td>To update the curriculum.</td>
</tr>
<tr>
<td>What Impact Will this New Program or Change Have on Other Programs or Areas?</td>
<td>None</td>
</tr>
<tr>
<td>Are There Articulations With Other Colleges?</td>
<td>List College(s): No</td>
</tr>
</tbody>
</table>

- Attach Program Design to this Form. Below are Some Recommended Items:
  a. List of program requirements (i.e.: what the catalog page shows for each program).
  b. Cross walk from previous program curriculum to new (how students already started in the old program can finish after this new program begins).
  c. All required course numbers and titles.
  d. Additional supporting information, such as minutes documenting recommendation for proposal.
# Cloud Computing and Virtualization Administrative Certificate

## 2014-2015 New

### Cloud Computing – 20 Credits

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPxxxx</td>
<td>Cloud Computing</td>
<td>4</td>
</tr>
<tr>
<td>COMPxxxx</td>
<td>Information Storage &amp; Management</td>
<td>4</td>
</tr>
<tr>
<td>COMPxxxx</td>
<td>Computer Virtualization</td>
<td>4</td>
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</table>

**Elective—Choose two courses**

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>COMP2460</td>
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<td>Microsoft Administration</td>
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<td>Routing and Switching</td>
<td>4</td>
</tr>
<tr>
<td>COMP2475</td>
<td>Security Basics</td>
<td>4</td>
</tr>
<tr>
<td>COMPxxxx</td>
<td>Emerging Technologies</td>
<td>4</td>
</tr>
<tr>
<td>COMP2145</td>
<td>Web Programming</td>
<td>4</td>
</tr>
<tr>
<td>COMP2150</td>
<td>Web Services [XML]</td>
<td>4</td>
</tr>
<tr>
<td>COMP2300</td>
<td>Java</td>
<td>4</td>
</tr>
<tr>
<td>COMP2310</td>
<td>VB.NET</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total Credits**

| Credits | 20 |

*New Course.*
Appendix C

New Program or Program Change Proposal Form

Date of Proposal: **February 7, 2014**

Author: **Linda Anderson**

<table>
<thead>
<tr>
<th>Proposal Type:</th>
<th>New Program</th>
<th>Program Redesign</th>
<th>Suspend Program</th>
<th>Reinstated Program</th>
<th>Add Emphasis</th>
<th>Delete Emphasis</th>
</tr>
</thead>
</table>

Contact for the Program: **Linda Anderson**

Program Name: **Enterprise Computing Certificate**

Division in Which Program is Currently or Will Be Held: **Work Force Education & Training - Business**

Proposal Start (Term/Year): **Fall 2014**

**Program Description:** This certificate provides students with an additional skill-set to support IBM’s Power Systems platform and the IBM i Operating System. Successful graduates will gain experience with RPG, DB2/SQL, and iBM. This will help a student bridge the gap between current computer systems and legacy systems still used as a part of several enterprise computing systems.

Prior to entry into the program it is strongly recommend that students complete the Computer Assistant Certificate or have advanced programming skills and/or IT related industry experience.

<table>
<thead>
<tr>
<th>Degrees Offered:</th>
<th>AS</th>
<th>AAS</th>
<th>AA</th>
<th>Diploma</th>
<th>Certificate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program Location:</td>
<td>Faribault Campus</td>
<td><strong>North Mankato Campus</strong></td>
<td>Online</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Prerequisites: **NA**

Number of Credits: **Certificate is 20 credits.**

If There is a Program Change, Summarize Changes to the Program:

Rationale for Program Development or Program Change: **To update the curriculum.**

What Impact Will this New Program or Change Have on Other Programs or Areas? **None**

Are There Articulations With Other Colleges? **List College(s): No**

- Attach Program Design to this Form. Below are Some Recommended Items:
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## Enterprise Computing Certificate
### 2014-2015 New

### Enterprise Computing Certificate – 20 Credits

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<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP2200</td>
<td>IBM i Operating System</td>
<td>4</td>
</tr>
<tr>
<td>COMP2205</td>
<td>RPG IV</td>
<td>4</td>
</tr>
<tr>
<td>COMPxxxx</td>
<td>SQL/DB2</td>
<td>4</td>
</tr>
<tr>
<td>COMP2300</td>
<td>Java</td>
<td>4</td>
</tr>
</tbody>
</table>

**Elective – Choose one course**

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**Total Credits**

20