CURRICULUM COMMITTEE CHECKLIST

NAME OF PROGRAM: Computer Careers

Date: 03/07/14

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 B

New Course or Course Change Proposal Form

Date of Proposal: March 7, 2014

Author: Linda Anderson

Proposal Type: (X) New Course

Contact for the Course: Linda Anderson

Course Designator, Number and Title (i.e.: ACCT 1800, Business Law):
COMP2220 SQL/DB2

Number of Credits: 4

Prerequisites: COMP2200 or Instructor Approval

Course Description:
This course covers Structured Query Language (SQL) and the Database Management System (DB2) commonly used on IBM platforms, such as the IBM Power System. Topics covered include data modeling and design as it pertains to the relational database model and the use of SQL commands to create schemas and tables, manipulate data, and retrieve data.
(Pre-requisite: COMP2200 IBMi Operating Systems or Instructor Approval)

Grading Method: Grade X

Scheduling: Fall Spring X Summer Alternate Years Variable On Demand

Instructional Type: Lecture X Lab Lecture/Lab Internship Seminar

(*)Class Maximum: (For New Courses Only) / All Unlimited faculty members of a program or discipline must sign.

<table>
<thead>
<tr>
<th>Faculty Name</th>
<th>Faculty Signature</th>
<th>Class Max</th>
<th>Date</th>
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<tbody>
<tr>
<td>Linda Anderson</td>
<td></td>
<td>25</td>
<td>2/27/14</td>
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<tr>
<td>Barb Embacher</td>
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<td>25</td>
<td>2/27/14</td>
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If there is not enough space provided, please use the back of this form for additional signatures or click on a row with the right button of the mouse, select insert and then select insert rows below to add rows to the table.

Is this Course Proposed as a Liberal Arts Course: Yes X No

If Yes, Which MnTC Area/Areas Will it Fulfill (http://www.mntransfer.org)?

Is This Course a Requirement/Elective for a Specific Program or Programs? Yes X No

If Yes, Which Program(s)? Information Systems – AAS and Diploma Enterprise Computing Certificate

Describe What is Changing/Being Added, and the Rationale:

- New Course

- What Impact Will This New Course or Change Have on Other Programs or Areas? None

- Attach Common Course Outline to this Form.
New Course or Course Change Proposal Form

Date of Proposal:  
Author: John Burns

Proposal Type: [X] New Course  Modify Course  Delete Course
Contact for the Course: John Burns

Course Designator, Number and Title (i.e.: ACCT 1800, Business Law):
COMP 2452 Information Storage and Management

Number of Credits: 4
Prerequisites: None

Course Description:
This course is designed to provide the student with a strong understanding of underlying storage technologies. This course will cover the varied components of modern information storage infrastructure, including virtual environments. Students will learn about the architectures, features, and benefits of Intelligent Storage Systems; storage networking technologies such as FC-SAN, IP-SAN, NAS, Object-based and unified storage; business continuity solutions such as backup, replication, and archive; the increasingly critical area of information security; and the emerging field of cloud computing. It provides comprehensive learning of storage technology, allowing the student to make more informed decisions in an increasingly complex IT environment.

Grading Method: [X] Grade X  Pass/Fail
Scheduling: Fall  Spring X  Summer  Alternate Years  Variable  On Demand
Instructional Type: Lecture X  Lab  Lecture/Lab  Internship  Seminar

(*) Class Maximum: (For New Courses Only) / All Unlimited faculty members of a program or discipline must sign.

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<tbody>
<tr>
<td>John Burns</td>
<td></td>
<td>25</td>
<td>2/27/14</td>
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</tbody>
</table>

Dean's Name: Barb Anderson
Dean's Signature: [Signature]
Date: 2/11/14

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Is this Course Proposed as a Liberal Arts Course: Yes  No X

If Yes, Which MnTC Area/Areas Will it Fulfill (http://www.mntransfer.org)?

Is This Course a Requirement/Elective for a Specific Program or Programs? Yes X  No

If Yes, Which Program(s)? Cloud Computing Certificate

Describe What is Changing/Being Added, and the Rationale:
New Program / New Course

What Impact Will This New Course or Change Have on Other Programs or Areas? None

> Attach Common Course Outline to this Form.

Linda Anderson  2/27/14
New Course or Course Change Proposal Form

Date of Proposal: 

Author: John Burns

Proposal Type:  (X)New Course  Modify Course  Delete Course

Contact for the Course:  John Burns

Course Designator, Number and Title (i.e.: ACCT 1800, Business Law):

COMP 2453 Virtualization Technologies

Number of Credits:  4

Prerequisites: None

Course Description:
The Virtualization Technologies course is designed to get students up to speed on one of the most important aspects of today's IT environment. This course covers the fundamental concepts, components, infrastructure, as well as security and privacy considerations for virtualization systems. Through lectures, discussions, demonstrations, and labs, students learn the skills and knowledge necessary to install, configure and manage virtual environments. Students will learn how to effectively plan, implement and manage Cloud Computing in virtual data centers and complete introductory coursework in Virtualization software. Topics will include creating virtualized switches and storage, creating and managing virtual machines, establishing access controls, and performing resource monitoring. With additional effort, students can use this knowledge to pass the VCP Certification Exam.

Grading Method:  Grade X  Pass/Fail

Scheduling:  Fall  Spring X  Summer  Alternate Years  Variable  On Demand

Instructional Type:  Lecture X  Lab  Lecture/Lab  Internship  Seminar

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Faculty Name  Faculty Signature  Class Max  Date
John Burns

Dean’s Name  Dean’s Signature  Date
Barbara Ambron

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Is This Course a Requirement/Elective for a Specific Program or Programs?  Yes X  No

If Yes, Which Program(s)?  Cloud Computing Certificate

Describe What is Changing/Being Added, and the Rationale:
New Program / New Course

What Impact Will This New Course or Change Have on Other Programs or Areas?  None

Attach Common Course Outline to this Form.

Linda Anderson  2/27/14

Pat  2/27/14
New Course or Course Change Proposal Form

Date of Proposal: 

Author: John Burns

Proposal Type:  (X)New Course  Modify Course  Delete Course

Contact for the Course: John Burns

Course Designator, Number and Title (i.e.: ACCT 1800, Business Law):

COMP 2456 Cloud Technologies and Services

Number of Credits: 4

Prerequisites: None

Course Description:
The Cloud Technologies and Services (CTS) course educates students about cloud deployment and service models, cloud infrastructure, and the key considerations in migrating to cloud computing. The course covers technologies required to build classic (traditional), virtualized, and public/private cloud data center environments. These technologies include storage, networking, desktop and application virtualization. Fundamental models such as Software-as-a-Service (SaaS), Platform-as-a-Service (PaaS), Infrastructure-as-a-Service (IaaS) are explored. Additional areas of focus are backup/recovery, business continuity, security, and management. Students will learn about the key considerations and steps involved in transitioning from the current state of a data center to a cloud computing environment. Upon completing this course, students will have the knowledge to make informed decisions about migrating to cloud infrastructure and choosing the best deployment model for an organization.

Grading Method:  Grade X  Pass/Fail

Scheduling:  Fall  Spring X  Summer  Alternate Years  Variable  On Demand

Instructional Type:  Lecture X  Lab  Lecture/Lab  Internship  Seminar

(*)Class Maximum: (For New Courses Only)  All Unlimited faculty members of a program or discipline must sign.

Faculty Name  Faculty Signature  Class Max  Date
John Burns  25  2-5-14

Dean's Name  Dean's Signature  Date
Barb Embacher  2-11-14

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Is this Course Proposed as a Liberal Arts Course:  Yes  No X

If Yes, Which MnTC Area/Areas Will it Fulfill (http://www.mntransfer.org)?

Is This Course a Requirement/Elective for a Specific Program or Programs?  Yes X  No

If Yes, Which Program(s)?  Cloud Computing Certificate

Describe What is Changing/Being Added, and the Rationale:
New Program / New Course

What Impact Will This New Course or Change Have on Other Programs or Areas?  None

Linda Andrews  2/27/14

2/27/14