**PROGRAM CHANGES**

 WEBER STATE UNIVERSITY

**Submission Date: November 1, 2013**

**Submitter Name: Diana J. Green**

**College: College of Applied Science and Technology**

**Department**: Network Management and Business Multimedia

**Program Title:** Network Management Technology Institutional Certificate

Check all that apply:

\_\_\_\_New course(s) required for major, minor, emphasis, or concentration.

 X Modified course(s) required for major, minor, emphasis, or concentration.

\_\_\_\_Credit hour change(s) required for major, minor, emphasis, or concentration.

\_\_\_\_Credit hour change(s) for a course which is required for the major, minor, emphasis, or concentration.

\_\_\_\_Attribute change(s) for any course.

 X Program name change.

\_\_\_\_Deletion of required course(s).

\_\_\_\_Program mode of delivery/format change (Graduate Programs ONLY)

\_\_\_\_Other changes (specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**JUSTIFICATION:**

We propose that the name of the Network Management Technology Institutional Certificate be changed to Network Security Technology Certificate. The new certificate is designed to offer an educational upgrade path for workers already in the networking field to show employers that they are improving skills they already have and are willing and capable of keeping up with the continual change of this dynamic field. This certificate is strongly centered in security; the field of network management is constantly evolving, and the current emphasis is security. Yesterday’s network manager was mainly concerned with creating user accounts, resetting passwords, and setting up who has access to what data. Today’s managers are now constantly concerned with the “who has access,” and unfortunately it’s not only the company’s employees who have access.

Employers need to ensure that a workforce is maintaining a network that is current in all levels of security, and this certificate offers that assurance. This certificate provides a way to upgrade skills and show employers the willingness to continue education without the need to complete a formal degree or in many cases a second formal degree. The certificate can be completed in two semesters with careful planning, thus making it much more desirable to employers. The Network Management Technology Advisory Committee approved the changes and indicated that the updates reflect the current emphases in the industry on network security.

Copy the present program from the current catalog and add the required changes (exactly as you wish them to appear in the catalog). Use strikeout (~~strikeout~~) when deleting items in the program and highlight (highlight) when adding items. If multiple changes are being proposed, please provide a summary.

**Submit the original (and 20 copies) to the Faculty Senate Office, MC 1033,** and an electronic **copy (Word Doc) to** bstockberger @weber.edu

Network ~~Management~~ Security Technology ~~Institutional~~ Certificate

~~Note: Network Management Technology is the new name for the Telecommunications Institutional Certificate.~~

• Grade Requirements: A minimum overall GPA of 2.00 or “C”.

• Credit Hour Requirements: A total of ~~18~~ 23 credit hours is required in addition to Computer Competency (at least 10 of which must be residence hours taken from WSU). Course Requirements for Institutional Certificate

Courses Required (~~18~~ 23 credit hours)

Students must demonstrate computer competency by taking NTM 1700 TE - Introduction to Microcomputer Applications, or equivalent courses or tests. Computer competency is a prerequisite for all courses listed below:

* CS 1400 Fundamentals of Programming Credits: (4)
* NTM 2300 - Introduction to LAN Management Credits: (3)
	+ ~~NTM 2710 - Switching and Transmission Network Systems Management Credits: (3)~~
	+ ~~NTM 2720 - Transport Media & Emerging Technologies Credits: (3)~~
	+ ~~NTM 2730 - Transmission Network Applications Credits: (3)~~
	+ ~~NTM 3200 - Linux Systems Administration Credits: (3)~~
	+ ~~NTM 4700 - Data Network Design Credits: (3) or~~
	+ ~~NTM 4710 - Traffic Technology & Voice Network Design Credits: (3)~~
* NTM 2415 - Cisco TCP/IP Routing Protocols and Router Configuration Credits: (3)
* NTM 2435 - Cisco Advanced LAN and WAN Switching and Routing Theory and Design Credits: (3)
* NTM 3300 – Advanced LAN Security Management Credits: (3)
* CS 3030 – Scripting Languages Credits: (4) **or**

CS 3705 – Protocol Analysis Credits: (4)

* NTM 3730 – Cyber Policy and Ethics Credits: (3)

**INFORMATION PAGE**

Did this program change receive unanimous approval within the Department? \_\_yes\_ If not, what are the major concerns raised by the opponents? No major concerns

Explain any effects this program change will have on program requirements or enrollments in other departments including the Bachelor of Integrated Studies Program. In the case of similar offerings or affected programs, **you should include letters from the departments in question stating their support or opposition to the proposed program**.

 No effects on program requirements or enrollments in other departments.

Indicate the number of credit hoursfor course work within the new program. (Do not include credit hours for General Education, Diversity, or other courses unless those courses fulfill requirements within the proposed program.)

Network Management Security Certificate: 23 hours

Indicate the number of credit hours for course work within the current program. (Do not include credit hours for General Education, Diversity, or other courses unless those courses fulfill requirements within the current program.) \_\_\_\_

Network Management Technology Certificate (old name): 18 hours

**Graduate Programs only**: Describe any proposed changes in the instructional mode of delivery or course format that are program-wide in nature or that affect more than one-third of the course taught in the program (e. g. changing from in-class to online instruction). APPROVAL PAGE

For: Network Management Technology (Program Title) Date submitted online \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

For new course proposals, excluding Experimental and Variable Title courses, the following must be completed by the Library bibliographer:

\_\_\_\_ The WSU Library has adequate information resources to support this proposal.

\_\_\_\_ Currently, the WSU Library does not have adequate information resources to support this course. However, if this proposal is approved, a Library bibliographer will work closely with departmental faculty to acquire the information resources needed. Funding for the new resources will come from the library’s budget.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ WSU Librarian/Date

**Approval Sequence**:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Department Chair/Date (or BIS Director)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

College Curriculum Committee/Date (Signature not needed on Experimental or Variable Title courses.)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Career and Technical Education Director. (Needed on new or deleted courses required in a 2-year program.)

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Dean of College/Date

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| Courses required in programs leading to secondary undergraduate teacher certification must be approved by the University Council on Teacher Education before being submitted to the Curriculum Committee. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ University Council on Teacher Education/Date  |

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| Graduate course proposals must be reviewed by the University Graduate Council before being submitted to the Curriculum Committee. I have read the proposal and discussed it with the program director.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_University Graduate Council Representative/Date |

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Effective Semester\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

University Curriculum Committee/Date

Passed by Faculty Senate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date