**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 Technologies 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.

 X 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:**

The word “Institutional” is being dropped from the name of the certificate to make the name consistent with the second certificate.

The Network Technologies 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 demonstrates the convergence of the data network with the voice networks that have coexisted for the past decades. Voice over IP (VoIP) has become voice, video, data, and medical imagery over IP, and they are now sharing common network hardware. More demands are being made daily to increase speed and reliability of these networks.

Networks are constantly evolving to accommodate these new data flows, and today’s workers must evolve with these changes and show competence and growth in an ever-changing world. 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 new courses being proposed will give workers in the field breadth over voice and data and strengthen their network server administration skills.

The Network Management Technology Advisory Committee approved the changes and indicated that the updates reflect the current emphases in the industry on network administration, voice network over data networks, and protocol analysis. The certificate can be completed in two semesters with careful planning, thus making it much more desirable to employers.

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

Network Technologies ~~Institutional~~ Certificate

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

• Credit Hour Requirements: A total of ~~12-14~~ 18-20 credit hours is required (at least 10 of which must be residence hours taken from WSU). Course Requirements for Institutional Certificate

Courses Required (~~12-14~~ 18-20 credit hours)

* NTM 2300 - Introduction to LAN Management Credits: (3) **or**

CS 2705 - Network Fundamentals and Design Credits: (4)

* NTM 2710 Switching and Transmission Network Systems Management: (3)
* NTM 2730 Transmission Network Applications 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)~~
* NTM 3310 Network Server Administration Credits: (3) **or**

CS 3705 - Protocol Analysis Credits: (4)

**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 Technologies Certificate (new name): 18-20 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 Technologies Institutional Certificate (old name): 12-14 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