

# MONTANA BOARD OF REGENTS

## LEVEL I REQUEST FORM

<b>Item No.:</b>	135-2854+R0507	<b>Date of Meeting:</b>	May 30 - June 1, 2007
<b>Institution:</b>	Montana State University-Great Falls COT		
<b>Program Title:</b>	Network Infrastructure Certificate Of Applied Science		

Level I proposals are those that may be approved by the Commissioner of Higher Education or the Commissioner's designee. The approval of such proposals will be conveyed to the Board of Regents at the next regular meeting of the board. The institution must file the request with the Office of the Commissioner of Higher Education by means of a memo to the Deputy Commissioner.

**A. Level I action requested (check all that apply):** Level I proposals include campus initiatives typically characterized by (a) minimal costs; (b) clear adherence to approved campus mission; and (c) the absence of significant programmatic impact on other institutions within the Montana University System and Community Colleges.

- 1. Re-titling existing majors, minors, options and certificates; (e.g. from B.S. in Mechanized Agriculture to B.S. in Agricultural Operations Technology);
- 2. Eliminating existing majors, minors, options and certificates via a Program Termination Checklist;
- 3. Adding new minors or certificates where there is a major;
- 4. Adding new minors or certificates where there is an option in a major;
- 5. Departmental mergers and name changes;
- 6. Program revisions; and
- 7. Distance delivery of previously authorized degree programs.

**B. Level I with Level II documentation:** With Level II documentation circulated to all campus chief academic officers in advance, the Commissioner or designee may propose additional items for inclusion in the Level I process. For these items to move forward, the Commissioner or designee must reach consensus with the chief academic officers. When consensus is not achieved, the Commissioner or designee will move the item to the Level II review process.

- 1. Options within an existing major or degree;
- 2. Eliminating organizational units within larger institutions such as departments, divisions and colleges or schools *with the exception of the five Colleges of Technology where changes require Board action;*
- 3. Consolidating existing programs and/or degrees.

**C. Temporary Certificate or A.A.S. degree programs:** Certificate or Associate of Applied Science Degree Programs may be submitted as Level I proposals, with memo and backup documentation, when they are offered in cooperation with and/or at the request of private or public sector partners and the decision point to offer the program is not consistent with the regular Board of Regents program approval process. Level I approval for programs under this provision will be limited to two years. Continuation of a program beyond the two years will require the normal program approval process as Level II Proposals.

All other Certificate or Associate Degree programs may be placed on submission at any Board of Regents meeting. They will be placed on action agendas at subsequent meetings. All campuses agree to insure that all other campuses receive program information well in advance of submission.

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**Specify Request:**

MSU-Great Falls College of Technology requests approval from the Montana Board of Regents and the Montana University System to Re-title the College's Certificate in Network Technology to a Certificate of Applied Science in Network Infrastructure.

In addition, the College requests that the notification of intent to terminate the Certificate in Network Technology submitted at the March 2007 Board of Regents meeting be withdrawn. Justification for this request and proposed program curriculum are included in the following.

## **ITEM 135-2854-R0507**

### **attachment**

#### **Network Infrastructure Certificate of Applied Science**

MSU-Great Falls College of Technology requests approval from the Montana Board of Regents and the Montana University System to Re-title the College's Certificate in Network Technology to a Certificate of Applied Science in Network Infrastructure.

In addition, the College requests that the notification of intent to terminate the Certificate in Network Technology submitted at the March 2007 Board of Regents meeting be withdrawn. Justification for this request and proposed program curriculum are included in the following.

The existing Network Technology program does not comply with Board of Regent Policy 301.12 by not having the appropriate ratio of general education to technical coursework. The program is also in non-compliance with Northwest Commission on Colleges and Universities standards in related to the required general education components. Finally, after program review, the College has determined the configuration of the existing program's coursework does not align well with the intent of a certificate program. Therefore the following modifications to the program and subsequent name change are being proposed. These changes have been approved by the College's curriculum committee.

#### **Required General Education Courses**

<b>Course #</b>	<b>Course Title</b>	<b>Credits</b>
ENGL 121**+	Composition I	3
COM 135**+	Interpersonal Communication	3
MATH 108**+	Algebra for College Students <b>OR</b>	
MATH 130**+	Pre-calculus Algebra <b>OR</b>	
MATH 150 **+	Math for Liberal Arts <b>OR</b>	
MATH 181**+	Calculus	3/4

#### **Required Technical Core Courses**

<b>Course #</b>	<b>Course Title</b>	<b>Credits</b>
CIT 111+	Introduction to Computers	3
CIT 125**+	Fund of Voice and Data Cabling	3
CIT 126*+	Networking Fundamentals	3
CIT 176*+	Routers and Routing Basics	3
CIT 226*+	Switching Basics & Int. Routing	3
CIT 276*+	Introduction to WAN Technologies	3
CIT 272*+	PC Troubleshooting/Maintenance	3

**Total Program Credits 30-31**

#### **Program Outcomes:**

Upon the completion of the Networking Infrastructure Certificate students should be prepared to:

- Demonstrate an entry level understanding of network infrastructure cabling.
- Install and basically configure network routers and switches.
- Pass the Cisco Certified Network Associate industry standard certification exam with at least an 80%.
- Pass the CompTIA A+ industry standard certification exam battery with at least an 80%.
- Obtain and keep an entry level computer networking professional position in the workforce.