

MEMORANDUM

DATE: May 29 – 30, 2008

TO: Montana Board of Regents

FROM: Roger Barber, Deputy Commissioner for Academic & Student Affairs

RE: Level I Approvals and Announcements

This memorandum is intended to inform you of the Level I changes in academic programs that have been approved in the Office of the Commissioner of Higher Education since the March 2008 meeting of the Board of Regents. It also includes announcements that may be of interest to the Board. If you have any questions, I would be happy to answer them with the help of my colleagues in academic affairs.

Montana State University-Bozeman:

- Montana State University-Bozeman filed a Notice of Intent to terminate its Bachelor of Science degree in Health Promotion at the March 2008 Board of Regents' meeting. All of the steps in the termination process have been completed, and the degree is, therefore, eliminated. *ITEM 138-2010+R0308*
- Montana State University-Bozeman filed a Notice of Intent to terminate its Bachelor of Science degree program in Health & Human Development, with its six (6) options, at the March 2008 Board of Regents' meeting. All of the steps in the termination process have been completed, and the degree program is, therefore, terminated. *ITEM 138-2016+R0308*
- Montana State University-Bozeman filed a Notice of Intent to terminate its Minor in Human Development. *ITEM 139-2013+R0508*
- Montana State University-Bozeman asked for permission to change the name of all of its degree programs in Education Administration to *Educational Leadership*. Those education administration degrees are part of the offerings in the Master of Education, Doctor of Education and Education Specialist programs. *ITEM 139-2014+R0508*

Montana State University-Great Falls College of Technology:

- Montana State University-Great Falls College of Technology requested permission to offer a Certificate of Applied Science credential and Associate of Applied Science degree in Construction Technology-Carpentry under the temporary approval process authorized by the Montana Board of Regents. *ITEM 139-2852+R0508*
- Montana State University-Great Falls College of Technology asked for authority to change the name of its Option in Web Development, under the Associate of Applied Science degree in Computer Information Technology, to *Web Design*.
ITEM 139-2853+R0508

The University of Montana-Missoula:

- The University of Montana-Missoula filed a Notice of Intent to terminate its Bachelor of Science degree in Geology, with options in Environmental Geology, General Geology, and Geology at the March 2008 Board of Regents' meeting. All of the steps in the termination process have been completed, and the degrees are, therefore, terminated. *ITEM 138-1003+R0308*
- The University of Montana-Missoula asked for authority to offer its Doctor of Physical Therapy degree in a distance education format. *ITEM 139-1011+R0508*

Montana Tech of The University of Montana:

- Montana Tech of The University of Montana College of Technology filed a Notice of Intent to eliminate its Option in Accounting Technology under the Associate of Applied Science degree program in Accounting Technology. *ITEM 139-1503+R0508*
- Montana Tech of The University of Montana filed a Notice of Intent to terminate its Associate of Applied Science degree in Practical Nursing. *ITEM 139-1504+R0508*

Miles Community College:

- Miles Community College filed a Notice of Intent to terminate its Certificate of Applied Science credential and Associate of Applied Science degree in Office Information Technology. All of the steps in the termination process have been completed, and the degrees are, therefore, eliminated. *ITEM 138-402+R0308*

Announcements:

Terminations:

Montana State University-Northern placed the following programs on moratorium in Spring Semester 2005: the Bachelor of Arts degree and Minor in Communication; the Bachelor of Science degree in Water Quality Technology – Environmental Health; the Bachelor of Science teacher education degree and Minor in Business Education; the minor in Automotive Technology (Automotive Body); the teacher education Minor in Computer Information Systems; and the Master of Science teacher education degree in General Science. Those moratoriums have not been removed by the institution. According to Board of Regents' Policy 303.4, Program Termination, "(a)fter a three-year period, an academic program moratorium becomes a withdrawal unless the Board of Regents approves continuation of the moratorium." The above-listed programs have been terminated and removed from the official degree and program inventory of Montana State University-Northern.

Moratoriums:

The University of Montana Western notified the Office of the Commissioner of Higher Education that it is placing the following programs in moratorium: the Psychology option and the Equine Science option that are part of the Associate of Applied Science degree in Equine Studies; and the Psychology option and the Natural Horsemanship Science option that are part of the Associate of Applied Science degree in Natural Horsemanship.

Flathead Valley Community College notified the Office of the Commissioner of Higher Education that it has placed the Associate of Applied Science degree in Natural Resource Management in moratorium.

Montana State University-Great Falls College of Technology informed the Commissioner's office that it has decided to put its Associate of Applied Science degree in Office Administration and its Certificate of Applied Science in Office Support on moratorium.

Accreditation Decisions:

The Northwest Commission on Colleges and Universities notified the Office of the Commissioner of Higher Education about the following decisions at its January 2008 meeting:

- reaffirmation of the accreditation of Montana State University-Northern, following a regular, ten-year comprehensive evaluation in October 2007.
- reaffirmation of the accreditation of Dawson Community College, following a focused interim evaluation in Fall 2007.
- acceptance of progress reports from Montana State University-Bozeman and Miles Community College.

Campus-Generated Certificates:

Board of Regents' Policy 303.1 permits the campuses of the Montana University System to create certificate programs without prior approval from the Board. The programs must be 30 credits or less. The following new certificates have been developed by the campuses under that grant of authority:

- a Certificate entitled Farm & Ranch II: Financial Analyses at Dawson Community College.
- a Certificate of Applied Science in Interior Space Planning and Design at The University of Montana-Helena College of Technology.

MONTANA BOARD OF REGENTS

LEVEL I REQUEST FORM

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|-----------------------|--|-------------------------|-----------------|
| Item No.: | 139-2013+R0508 | Date of Meeting: | May 29-30, 2008 |
| Institution: | Montana State University-Bozeman | | |
| Program Title: | Termination Of Human Development Minor | | |

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.

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| Item No.: 139-2013+R508 | Institution: Montana State University-Bozeman |
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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.

Specify Request:

The Department of Health and Human Development has restructured its entire undergraduate curriculum to make its offerings more up-to-date and visible to current and prospective students. To this end, the department will eliminate its minor in Human Development beginning fall 2008.

MONTANA BOARD OF REGENTS

LEVEL I REQUEST FORM

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|-----------------------|----------------------------------|-------------------------|-----------------|
| Item No.: | 139-2014+R0508 | Date of Meeting: | May 29-30, 2008 |
| Institution: | Montana State University-Bozeman | | |
| Program Title: | Masters Of Education (M.Ed.) | | |

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Specify Request:

Montana State University Department of Education requests for its graduate programs a series of minor name changes in order to reflect current terminology in the field, and in order to formalize programmatic distinctions within Majors through the naming of options. The phrase "Education Administration" is replaced by "Educational Leadership" in the Major. The new system of nomenclature would read as follows:

I. DEGREE: MASTER OF EDUCATION (M.Ed.)

- A. MAJOR: Educational Leadership
 - Option 1: Principal Preparation.

- B. MAJOR: Adult & Higher Education
 - Option 1: Adult Education
 - Option 2: Student Affairs
 - Option 3: Higher Education

- C. MAJOR: Curriculum & Instruction
 - Option1: Professional Educator
 - Option 2: Educational Research
 - Option 3: Technology Education

II DEGREE: DOCTOR OF EDUCATION (Ed.D.)

- A. MAJOR: Educational Leadership
 - Option 1: K-12 Leadership
 - Option 2: Scholarship

- B. MAJOR: Adult & Higher Education
 - Option 1: Higher Education Administration
 - Option 2: Higher Education Academics
 - Option 3: Adult Education

- C. MAJOR: Curriculum & Instruction

III. DEGREE: EDUCATION SPECIALIST (Ed.S.)

- A. MAJOR: Educational Leadership
 - Option 1: Superintendent Preparation

- B. MAJOR: Curriculum & Instruction

MONTANA BOARD OF REGENTS

LEVEL I REQUEST FORM

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|-----------------------|---|-------------------------|-----------------|
| Item No.: | 139-2852+R0508 | Date of Meeting: | May 29-30, 2008 |
| Institution: | Montana State University-Great Falls COT | | |
| Program Title: | Construction Technology: Carpentry CAS and AAS Programs | | |

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);
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- 1. Options within an existing major or degree;
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- 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.

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| Item No.: 139-2852+R0508 | Institution: Montana State University-Great Falls COT |
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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.

Specify Request:

Montana State University-Great Falls College of Technology (herein after "the College") is requesting approval by the Montana Board of Regents to offer a Certificate of Applied Science and an Associate of Applied Science in Construction Technology - Carpentry. Due to the immediate demands by the construction industry for workforce relief, coupled with the addition of new facilities on the MSU-Great Falls campus, the College is requesting this program through a Level I approval process to expedite the implementation process. Supporting documents follow.

CONSTRUCTION TECHNOLOGY - CARPENTRY
MSU-GREAT FALLS COLLEGE OF TECHNOLOGY

Curriculum Proposal

1. Overview

Montana State University-Great Falls College of Technology (herein after “the College”) is requesting approval by the Montana Board of Regents to offer a Certificate of Applied Science and an Associate of Applied Science in Construction Technology - Carpentry. Due to the immediate demands by the construction industry for workforce relief, coupled with the addition of new facilities on the MSU-Great Falls campus, the College is requesting this program through a Level I approval process to expedite the implementation process. Within two years of the date of approval, the College will move the program through the formal Level II approval process of the Board.

The College has strong programs in healthcare, business and technology, but has only one skilled trades program – its highly successful auto body program. Without such programs, the institution cannot respond to industry demands. In fact, Great Falls is the only community with a Montana University System presence and no two-year construction trades programming.

The 2007 Legislature appropriated \$3 million for the addition of a construction trades building on the College campus. Additional startup funds (\$234,455) from the state One-Time-Only program are being used to accelerate implementation of skilled trades programming, including construction trades, and help support these fledgling programs until they are established. The CAS and AAS in Carpentry will form a solid foundation for this important workforce segment. This program is being proposed for implementation as a 1+1 program whereby students may complete the first year and receive the CAS credential, and/or continue into the second year for the AAS degree.

2. Need

a. *To what specific need is the institution responding in developing the proposed program?*

The Montana Department of Labor and Industry projects growth statewide in most industrial trades sectors from 2004-2014. Specifically, it projects growth for carpenters at 24.6% (3,300 jobs) and construction laborers at 20.6% (1,000 jobs), cumulatively representing one of the fastest growing and largest industries with anticipated employment openings generated both from new jobs created and from replacing retiring workers. The demand is projected to outnumber the workers available.

A 2005 environmental scanning report by Paulien & Associates recommended that the College develop construction trades programs, pointing to construction as one of the largest occupational categories “with more than 1700 annual openings per year in construction trades and more than 2,100 in all construction-related occupations.”

Northcentral Montana, like Eastern Montana, lags behind other regions in economic health. The region’s population is declining and aging, indicating worsening worker shortages. The region’s economy cannot grow without a skilled workforce, and this regional stagnation will drag down Montana’s overall economic recovery. However, with the appropriate training programs in trades areas, the resulting skilled workforce would allow the state to capitalize on economic opportunities. Further, when companies are confident they can find the necessary and qualified workers, they can pursue contracts and expansion projects they might otherwise avoid, improving competition and fueling further growth. Skilled worker availability is crucial for industry recruitment.

- b. How will students and any other affected constituencies be served by the proposed program?*

Local industry representatives have bemoaned the time and expense they incur with workers who have no knowledge or skills in basic industrial subjects, such as safety or reading blueprints. These workers frequently must spend extended periods of time in temporary or low-paying entry-level positions while they gain these skills on the job. Employees who entered the workforce with these skills would be able to advance to higher-paying, permanent positions much faster. The Montana Department of Labor reports construction worker wages at \$15-\$20 per hour depending on the location and duties. This College's carpentry program will significantly reduce the amount of time workers must spend in on-the-job training, moving them more quickly into higher paying, more responsible positions.

- c. What is the anticipated demand for the program? How was this determined?*

Demand is estimated primarily from the enrollments in the College's outreach programs, student interest gathered during recruiting trips, the annual construction trades jobs fair held on the College campus, and the experience of other construction trades programs in the state. Initial enrollment is conservatively estimated at 15 students in the first year, then to 30 students when both first and second year students are enrolled. Participation will be restricted to some extent based on facility size and safety issues.

3. Institutional and System Fit

- a. What is the connection between the proposed program and existing programs at the institution?*

The College currently offers welding at its Bozeman campus, which the College is proposing to expand to its Great Falls campus in Fall 2008. If the construction trades and welding programs are both approved, they will share space in the Construction and Industrial Trades Building currently under construction. The new programs would join auto body as the College's only trades-related programming. All trades programs would share some resources, and related instruction designed for the trades industries (i.e. MATH 102: Math for the Trades).

- b. Will approval of the proposed program require changes to any existing programs at the institution? If so, please describe.*

No. The program will be located in the Construction and Industrial Trades building which is currently under construction (scheduled for completion summer 2008). The carpentry programs will have a dedicated bay and will share a classroom with other trades programs in that facility. Some classroom work may be scheduled in the main campus building, but classroom space is adequate for that need.

- c. Describe what differentiates this program from other, closely related programs at the institution (if appropriate).*

There is no other construction trades program at the Great Falls campus.

- d. How does the proposed program serve to advance the strategic goals of the institution?*

In alignment with the strategic plan of the Montana Board of Regents, the College is committed to increasing participation of students in post-secondary education, specifically two-year programming, as well as increasing the number of students earning a credential. In addition, preparing people for and placing them into high-demand jobs is at the core of the College's mission. Although the College is a leader in educating students for healthcare professions, it has been notably lacking in programming for careers in the trades industries. Expansion into this sector has been a priority for the past several years.

- e. *Describe the relationship between the proposed program and any similar programs within the Montana University System. In cases of substantial duplication, explain the need for the proposed program at an additional institution. Describe any efforts that were made to collaborate with these similar programs; and if no efforts were made, explain why. If articulation or transfer agreements have been developed for the substantially duplicated programs, please include the agreement(s) as part of the documentation.*

All of the state's colleges of technology, except Great Falls, have industrial trades programs. The need for more industrial trades programming is demonstrated by the award of a Department of Labor grant to MSU-Billings COT to develop a construction trades program that could be adopted throughout the state. The BILT program has assisted the College in its program development, offering advice on curriculum, equipment and building design and providing curriculum materials, such as building plans that can be used in the practical areas of the program. The College also has received advice and assistance from UM-Helena COT and Flathead Valley Community College. This program is a duplication, but a deliberate one based on the previously cited Department of Labor reports of current demand and predictions of future demand and job growth in the construction industry. This demand is manifested in all areas of the state and the geographic separation between the campuses make additional programs necessary to fill regional needs.

4. Program Details

- a. *Provide a detailed description of the proposed curriculum. Where possible, present the information in the form intended to appear in the catalog or other publications. NOTE: In the case of two-year degree programs and certificates of applied science, the curriculum should include enough detail to determine if the characteristics set out in Regents' Policy 301.12 have been met.*

The programs' curricula are included in Appendix A.

5. Resources

- a. *Will additional faculty resources be required to implement this program? If yes, please describe the need and indicate the plan for meeting this need.*

The program will require the addition of one construction trades faculty to teach the 26 credits of carpentry-specific courses. The College is conducting a search for this position and expects to fill it pending program approval by the Board of Regents. Existing faculty and adjunct faculty will be able to teach the required general education classes.

The budget for FY2009 is estimated at \$62,088. The College was awarded \$234,455 in One-Time-Only state funds to cover operating costs for FY2008 and FY2009 in construction trades and an as-yet, undeveloped program in industrial trades. In addition, Carl Perkins monies will be utilized for the start-up of this program. With an expected enrollment start of Fall 2008 in Construction Trades-Carpentry, the program will generate \$28,320 in state funds and \$27,500 in tuition and fees for FY2009.

- b. *Are other, additional resources required to ensure the success of the proposed program? If yes, please describe the need and indicate the plan for meeting this need.*

There will be a substantial need for startup expenses for equipment and curriculum development. The College has committed federal Carl Perkins funding to hire consultants and faculty to help develop and refine the curriculum in FY2008. Additionally, the College was awarded \$234,455 in One-Time-Only funds from the 2007 Legislature to help fund startup equipment and program development costs for the construction and industrial trades programs.

6. Assessment

The proposed program will be assessed using the College's institutional outcomes assessment practices. These include assessing standard performance metrics such as graduation/completion rates, student retention, and enrollments. Additionally, the program will undergo an internal program review as required by Board of Regent Policy and standard College practice. In addition, the program's student learning outcomes will be assessed to evaluate student success in obtaining the skills identified as goals of the program. Finally, additional measures will be used to determine program success including assessing the number of students who successfully pass NCCER examinations for modules built into the curriculum.

7. Process Leading to Submission

The program was initiated because of industry demand. The Greater Great Falls Community sought and obtained funding from the 2007 Legislature for a building to house industrial trades programs on the College campus. The College also successfully applied for One-Time-Only funding to cover start-up costs. The Construction and Industrial Trades Advisory Board reviewed and approved preliminary plans. A consultant has been retained to work on curriculum and facility design until a faculty member can be recruited. A construction trades subcommittee was formed and has reviewed the draft curriculum. The curriculum has been approved by the College's Curriculum Committee as of April 2008.



Appendix A

Construction Technology – Carpentry

| Course No. | Title | Credits | | |
|------------|--|---------------------------------------|------------------|-------------------------|
| CNST 100 | Fundamentals of Construction Technology | 3 | | |
| | TEXT BOOK | MODULE | TOTAL HRS | SHOP CLASSROOM |
| | 00101-04 | Basic Safety | 15 | 0 15 |
| | 00103-04 | Intro to Hand Tools | 10 | 0 10 |
| | 00104-04 | Intro to Power Tools | 5 | 0 5 |
| | 00105-04 | Introduction to Blueprints | 7.5 | 0 7.5 |
| | | | 47.5 | 0 47.5 |
| CNST 115 | Construction Calculators & Estimating | 1 | | |
| CNST 150 | Construction Site Safety | 2 | | |
| | TEXT BOOK | MODULE | TOTAL HRS | SHOP CLASSROOM |
| | 00106-04 | Basic Rigging | 20 | 5 15 |
| | | OSHA 10 Certification | 10 | 0 10 |
| | | | 30 | 5 25 |
| CARP 120 | Carpentry Basics and Rough-in Framing | 6 | | |
| | TEXT BOOK | MODULE | TOTAL HRS | SHOP CLASSROOM |
| | 27101-06 | Orientation to the Trade | 2.5 | 0 2.5 |
| | 27102-06 | Bld Materials, Fasteners, & Adhesives | 7.5 | 0 7.5 |
| | 27103-06 | Hand and Power Tools | 10 | 4 6 |
| | 27104-06 | Reading Plans & Elevations | 20 | 9 11 |
| | 27105-06 | Floor Systems | 25 | 16 9 |
| | 27106-06 | Wall and Ceiling Framing | 20 | 13 7 |
| | 27107-06 | Roof Framing | 37.5 | 24.5 13 |
| | 27109-06 | Windows and Exterior Doors | 12.5 | 8.5 4 |
| | | | 135 | 75 60 |
| CARP 130 | Exterior Finishing, Stair Construction, and Metal Stud Framing | 4 | | |
| | TEXT BOOK | MODULE | TOTAL HRS | SHOP CLASSROOM |
| | 27110-06 | Basic Stair Layout | 12.5 | 8 4.5 |
| | 27301-02 | Exterior Finishing | 35 | 24 11 |
| | 27302-02 | Roofing Applications | 25 | 16.5 8.5 |
| | 27303-02 | Thermal and Moisture Protection | 5 | 2 3 |
| | 27304-02 | Stairs | 15 | 10 5 |
| | 27305-02 | Framing with Metal Studs | 15 | 10 5 |
| | | | 107.5 | 70.5 37 |
| CNST 120 | Introduction to Site Layout & Concrete Basics | 3 | | |
| | TEXT BOOK | MODULE | TOTAL HR | SHOP CLASSROOM |
| | 27108-06 | Intro to Concrete & Reinforcing | 5 | 0 5 |
| | 27203-01 | Intro to Concrete & Reinforcing | 10 | 3 7 |
| | 27201-01 | Reading Plans and Elevations | 20 | 14 6 |
| | 27204-01 | Foundations and Flatwork | 15 | 9 6 |
| | 27202-01 | Site Layout 1: Distance Measure/Level | 22.5 | 11.5 11 |
| | | | 72.5 | 37.5 35 |

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| CARP 150 | Beginning Carpentry Practicum (90 hrs) | 3 |
| CARP 152 | Intermediate Carpentry Practicum (90 hrs) | 3 |
| CNST 220 | Advanced Concrete Working | 5 |

| <u>TEXT BOOK</u> | <u>MODE</u> | <u>TOTAL HRS</u> | <u>SHOP</u> | <u>CLASSROOM</u> |
|------------------|------------------------------------|------------------|-------------|------------------|
| 27205-01 | Concrete Forms | 32.5 | 21.5 | 11 |
| 27208-01 | Manufactured Forms | 22.5 | 14.5 | 8 |
| 27206-01 | Reinforcing Concrete | 15 | 7 | 8 |
| 27207-01 | Handling and Placing Concrete | 22.5 | 15.5 | 7 |
| 724401-01 | Site Layout 2: Angular Measurement | 30 | 15 | 15 |
| | | 122.5 | 73.5 | 49 |

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| CARP 220 | Interior Finishing | 5 |
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| <u>TEXT BOOK</u> | <u>MODULE</u> | <u>TOTAL HRS</u> | <u>SHOP</u> | <u>CLASSROOM</u> |
|------------------|--|------------------|-------------|------------------|
| 27306-02 | Drywall 1: Installation | 15 | 10 | 5 |
| 27307-02 | Drywall 2: Finishing | 12.5 | 8.5 | 4 |
| 27308-02 | Interior Finish 1: Doors | 20 | 15 | 5 |
| 27309-02 | Interior Finish 2: Suspended Ceilings | 25 | 15 | 10 |
| 27310-02 | Interior Finish 3: Window, Door, Floor, & Ceiling Trim | 25 | 20 | 5 |
| 27311-02 | Interior Finish 4: Cabinet Installation | 10 | 7 | 3 |
| | | 107.5 | 85.5 | 32 |

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| CARP 230 | Advanced Roof, Floor, Wall, and Stair Systems | 6 |
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| <u>TEXT BOOK</u> | <u>MODULE</u> | <u>TOTAL HRS</u> | <u>SHOP</u> | <u>CLASSROOM</u> |
|------------------|------------------------|------------------|-------------|------------------|
| 27402-01 | Advanced Roof Systems | 20 | 10 | 10 |
| 27403-01 | Advanced Floor Systems | 20 | 10 | 10 |
| 27404-01 | Advanced Wall Systems | 25 | 10 | 15 |
| 27405-01 | Advanced Stair Systems | 25 | 10 | 15 |
| 27408-01 | Metal Buildings | 15 | 3 | 12 |
| | | 105 | 43 | 62 |

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| CARP 240 | Summer Carpentry Internship (135-270 hrs) | 3-6 |
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| CARP 250 | Advanced Carpentry Practicum (90 hrs) | 3 |
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| CARP 252 | Capstone Carpentry Practicum (90 hrs) | 3 |
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| | | |
|----------|------------------------|---|
| Weld 151 | Welding for Carpenters | 2 |
|----------|------------------------|---|

| <u>TEXT BOOK</u> | <u>MODULE</u> | <u>TOTAL HRS</u> | <u>SHOP</u> | <u>CLASSROOM</u> |
|------------------|---------------|------------------|-------------|------------------|
| 27407-01 | Welding | 15 | | |

| | | |
|----------|---------------------|---|
| DRFT 156 | Introduction to CAD | 3 |
|----------|---------------------|---|

| | | |
|---------|--------------------------|---|
| BUS 106 | Introduction to Business | 3 |
|---------|--------------------------|---|

| | | |
|---------|------------------------------|---|
| COM 135 | Interpersonal Communications | 3 |
|---------|------------------------------|---|

| | | |
|----------|-------------------|---|
| ENGL XXX | Technical Writing | 3 |
|----------|-------------------|---|

| | | |
|----------|---------------------|---|
| MATH 100 | Math for the Trades | 3 |
|----------|---------------------|---|

| <u>TEXT BOOK</u> | <u>MODULE</u> | <u>TOTAL HRS</u> | <u>SHOP</u> | <u>CLASSROOM</u> |
|------------------|----------------------------|------------------|-------------|------------------|
| 00102-04 | Intro to Construction Math | 15 | 0 | 15 |



**Construction Technology – Carpentry
Certificate of Applied Science**

FALL SEMESTER

| Course No. | Title | Credits |
|-------------------|---|----------------|
| MATH 100 | Math for the Trades | 3 |
| CNST 100 | Fundamentals of Construction Technology | 3 |
| CNST 115 | Construction Calculators & Estimating | 1 |
| CARP 120 | Carpentry Basics and Rough-in Framing | 6 |
| CARP 150 | Beginning Carpentry Practicum (90 hrs) | 3 |

Subtotal 16

SPRING SEMESTER

| Course No. | Title | Credits |
|-------------------|--|----------------|
| COM 135 | Interpersonal Communications | 3 |
| ENGL XXX | Technical Writing | 3 |
| CNST 120 | Introduction to Site layout & Concrete | 3 |
| CNST 150 | Construction Site Safety | 2 |
| CARP 130 | Exterior Finishing, Stair Construction, and Metal Stud Framing | 4 |
| CARP 152 | Intermediate Carpentry Practicum (90 hrs) | 3 |

Subtotal 18

Total Program Credits – 34



**Construction Technology – Carpentry
Associate of Applied Science**

FALL SEMESTER 1

| Course No. | Title | Credits |
|-------------------|---|--------------------|
| MATH 100 | Math for the Trades | 3 |
| CNST 100 | Fundamentals of Construction Technology | 3 |
| CNST 115 | Construction Calculators & Estimating | 1 |
| CARP 120 | Carpentry Basics and Rough-in Framing | 6 |
| CARP 150 | Beginning Carpentry Practicum (90 hrs) | 3 |
| | | Subtotal 16 |

SPRING SEMESTER 1

| Course No. | Title | Credits |
|-------------------|--|--------------------|
| COM 135 | Interpersonal Communications | 3 |
| ENGL XXX | Technical Writing | 3 |
| CNST 120 | Introduction to Site layout & Concrete | 3 |
| CNST 150 | Construction Site Safety | 2 |
| CARP 130 | Exterior Finishing, Stair Construction, and Metal Stud Framing | 4 |
| CARP 152 | Intermediate Carpentry Practicum (90 hrs) | 3 |
| | | Subtotal 18 |

SUMMER SEMESTER

| Course No. | Title | Credits |
|-------------------|---|---------------------|
| CARP 240 | Summer Carpentry Internship (135-270 hrs) | 3-6 |
| | | Subtotal 3-6 |

FALL SEMESTER 2

| Course No. | Title | Credits |
|-------------------|---|--------------------|
| DRFT 156 | Introduction to CAD | 3 |
| Weld 151 | Welding for Carpenters | 2 |
| CARP 230 | Advanced Roof, Floor, Wall, and Stair Systems | 6 |
| CARP 250 | Advanced Carpentry Practicum (90 hrs) | 3 |
| | | Subtotal 15 |

SPRING SEMESTER 2

| Course No. | Title | Credits |
|-------------------|--|--------------------|
| BUS 106 | Introduction to Business | 3 |
| CNST 220 | Advanced Concrete Working | 5 |
| CARP 220 | Interior Finishing | 5 |
| CARP 252 | Capstone Carpentry Practicum (120 hrs) | 4 |
| | | Subtotal 17 |

Total Program Credits 69-72

MONTANA BOARD OF REGENTS

LEVEL I REQUEST FORM

| | | | |
|----------------|---|------------------|-----------------|
| Item No.: | 139-2853+R0508 | Date of Meeting: | May 29-30, 2008 |
| Institution: | Montana State University-Great Falls COT | | |
| Program Title: | Website Design Associate 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.

| | |
|---------------------------------|--|
| Item No.: 139-2853+R0508 | Institution: Montana State University-Great Falls COT |
|---------------------------------|--|

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.

Specify Request:

Montana State University-Great Falls College of Technology requests approval from the Montana Board of Regents to re-title the College's Associate of Applied Science degree program in Web Development to Web Design. As the complexity and specialization of the World Wide Web has increased the specialization of Internet occupations has also emerged. Considering the most commonly held designations for occupations and programmatic areas, the College's program is best aligned with the profession of Website Design.

MONTANA BOARD OF REGENTS

LEVEL I REQUEST FORM

| | | | |
|----------------|---|------------------|-----------------|
| Item No.: | 139-1011+R0508 | Date of Meeting: | May 28-30, 2008 |
| Institution: | The University of Montana - Missoula | | |
| Program Title: | Doctor Of Physical Therapy Distance Education | | |

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.

| | |
|---------------------------------|--|
| Item No.: 139-1011+R0508 | Institution: The University of Montana - Missoula |
|---------------------------------|--|

Specify Request:

The School of Physical Therapy & Rehabilitation Science instituted the Doctor of Physical Therapy (DPT) degree in 2001 and has graduated three cohorts since that time. Consistent with other physical therapy education programs that converted to the DPT in recent years, the School of Physical Therapy & Rehabilitation Science wishes to provide a distance education bridge for those holding degrees in physical therapy from accredited institutions to the DPT degree utilizing a distance education curriculum.

MONTANA BOARD OF REGENTS

LEVEL I REQUEST FORM

| | | | |
|----------------|--|------------------|-----------------|
| Item No.: | 139-1503+R0508 | Date of Meeting: | May 28-30, 2008 |
| Institution: | Montana Tech COT | | |
| Program Title: | Accounting Technology AAS Degree - Accounting Option | | |

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.

| | |
|--------------------------------|--------------------------------------|
| Item No.: 139-1501+R508 | Institution: Montana Tech COT |
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Specify Request:

Montana Tech of The University of Montana College of Technology proposes to eliminate the Accounting Technology Option currently offered under the Accounting Technology Associate of Applied Science Degree. The accounting option is one of three options currently offered under the Accounting Technology AAS Degree. Advanced accounting courses offered under the accounting option will be added to the curriculum of the two remaining options, Human Resources and Health Services. This will increase enrollment in these accounting courses and strengthen the accounting core of the two remaining options.

The number of Accounting Technology graduates that pursue a BAS degree has increased substantially over the past five years. The curricular change will better prepare those graduates for continued education and employment. Also, in accordance with the Montana University System Transferability Initiative, students will be better positioned to transfer classes across the university system.

MONTANA BOARD OF REGENTS

LEVEL I REQUEST FORM

| | | |
|-----------------------|--|---|
| Item No.: | 139-1504+R0508 | Date of Meeting: May 28-30, 2008 |
| Institution: | Montana Tech | |
| Program Title: | Associate of Applied Science Degree - Nursing | |

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.

| | |
|---------------------------------|----------------------------------|
| Item No.: 139-1504+R0508 | Institution: Montana Tech |
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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.

Specify Request:

Based upon consensus of Montana's nurse educators and the Montana State Board of Nursing, Montana Tech is requesting the elimination of the Associate of Applied Science (AAS) – Practical Nursing degree. This request has been approved by Montana Tech's Curriculum Review Committee and Faculty as well as the State Board of Nursing.