

ITEM 123-1502-R0504 Proposal

BOARD OF REGENTS
STATE OF MONTANA

PROPOSAL

**TO INITIATE A NEW, EXPANDED, COOPERATIVE OR
OFF-CAMPUS INSTRUCTIONAL PROGRAM**

SUBMITTED BY:

Montana Tech of The University of Montana

College of Technology
Name of College, School or Division

Trades and Technical
Name of Department(s) or Area

**A NEW, EXPANDED, COOPERATIVE OR OFF-CAMPUS
INSTRUCTIONAL PROGRAM LEADING TO:**

Associate of Applied Science Degree in Historic Preservation Technology
Certificate, Associate, Bachelor's, Master's or Doctorate Degree

Fall Semester 2004
PROPOSED STARTING DATE

THIS PROPOSAL HAS BEEN APPROVED BY:

| | | | |
|--|------|--|------|
| <hr/> Jane Baker Dean | Date | <hr/> Robert A. Durringer VP Administration and Finance | Date |
| <hr/> Dr. Susan Patton V C of Academic Affairs and Research | Date | <hr/> Dr. Lois Muir Provost/VP Academic Affairs | Date |
| <hr/> Dr. W. Franklin Gilmore Chancellor | Date | <hr/> Dr. George Dennison President | Date |

PROGRAM DESCRIPTION

- Briefly describe the proposed new program. Please indicate if it is an expansion of an existing program; a new program; a cooperative effort with another institution, business, or industry; an on-campus or off-campus program. Attach any formal agreements established for cooperative efforts.**

Historic Preservation is a rapidly growing field of study. Butte community members passionate about preserving our historic structures brought this new degree idea forward. The Montana Tech Campus is home to 8 of 4500 historic buildings in Butte. These 8 buildings join many others from the community on the National Register of Historic Places. Since the degree was brought forward from the community, accommodations will be made to run some of the classes in late afternoon and evening. Students wishing to complete the curriculum will be required to attend both daytime and evening classes. Part-time and full-time students will gain experience related to specialty skills, which include but are not limited to masonry, stained glass and plasterwork. The classes will give students skills in these areas as well as preserve the trade for future generations.

2. Summarize a needs assessment conducted to justify the proposal. Please include how the assessment plan was developed or executed and the data derived from this effort.

Two community members brought the idea for a two-year degree in Historic Preservation to Montana Tech's College of Technology. In reviewing the proposal, the college started researching the possibility and feasibility of such a degree during the fall semester of 2003. While conducting interviews and research, it became very apparent that the need and support for this type of degree was strong and widespread. Citizens from Bannack, Virginia City, Philipsburg and Butte that are involved or have an interest in Historic Preservation have provided verbal and written support. Please review attached letters of support.

3. Explain how the program relates to the Role and Scope of the institution as established by the Board of Regents.

Implementation of an Associate of Applied Science Degree in Historic Preservation Technology is within the Role and Scope of Montana Tech of The University of Montana, as established by the Montana Board of Regents.

Philosophy

Montana Tech College of Technology believes student success depends on a philosophy that prepares students for the 21st Century by integrating technological skills, communication, problem solving, and informational literacy into the educational process. We encourage diversity and strive to accommodate student needs through educational programming and the physical environment. Education is a life-long process that is facilitated by multi-entry/exit programs and enhanced by student governance.

Mission

The Mission of the College of Technology is to provide education resulting in certification, certificates, and Associate of Applied Science degrees leading to the attainment of individual goals.

The Historic Preservation degree will help students to become proficient in technological skills, communication, problem solving, and informational literacy by incorporating these key areas in virtually every class. The specialty courses such as stained glass or plaster will build each of the four areas just by the nature of the course.

4. Please state what effect the proposed program will have on the administrative structure of the institution, if any. Also, indicate the potential involvement of other departments, divisions, schools, or colleges.

The Historic Preservation Technology program will be housed within the Trades and Technical Department. It will not impact the institution's administrative structure. It is anticipated that the new program will work closely with other programs in the department such as Drafting and Metals Fabrication.

5. Describe the extent to which similar programs are offered in Montana, the Pacific Northwest, and states bordering Montana. How similar are these programs to the one herein proposed?

Currently there is no other Associate of Applied Science Degree in Historic Preservation Technology offered in the state or surrounding states. The University of Montana does offer an undergraduate course in Historic Sites Archaeology. The National Council for

Preservation Education currently has on record three programs in the nation that offer an AAS degree or below in Historic Preservation, the closest of which is in Eureka, California. Of these three, the only one that offers an AAS degree is Belmont Technical College in St. Clairsville, Ohio.

- 6. Please name any accrediting agency(ies) or learned society(ies) that would be concerned with the particular program herein proposed. How has this program been developed in accordance with the criteria developed by said accrediting body (ies) or learned society(ies)?**

The National Council for Preservation Education Standards for Historic Preservation Degree Granting Graduate and Undergraduate Programs does provide program guidelines, but it is not an accrediting agency for the area of Historic Preservation. These guidelines have been reviewed with portions being implemented in the proposed curriculum outline.

- 7. Prepare an outline of the proposed curriculum showing course titles and credits. Please include any plans for expansion of the program during its first three years.**

| Historic Preservation Technology Degree | | |
|--|---|----------------|
| Course # | Description | Credits |
| First Semester | | |
| D.T. 0115 | Technical Draw I | 5 |
| D.T. 0125 | CAD I | 3 |
| ENGL 0102 | Introduction to Writing | 3 |
| I.T. 1416 | Microcomputer Software | 3 |
| H.P. 0100 | Introduction to Historic Preservation & Law | 3 |
| Total Credits First Semester | | 17 |
| Second Semester | | |
| ENGL 1046 | English Composition | 3 |
| MATH 0101 | Introduction to Algebra | 3 |
| PSYC 1000 | General Psychology | 3 |
| H.P. 0110 | Introduction to Architectural Structures | 3 |
| H.P. 0120 | Specialty Course: Plaster | 2 |
| H.P. 0130 | Specialty Course: Wood | 2 |
| H.P. 0140 | Shop and Site Safety | 1 |
| Total Credits Second Semester | | 17 |
| Third Semester | | |
| D.T. 0250 | Building Methods and Materials | 4 |
| H.P. 0200 | Site Investigation & Documentation I | 3 |
| H.P. 0210 | Preservation Estimating and Planning | 2 |
| H.P. 0220 | Specialty Course: Millwork | 2 |
| H.P. 0230 | Specialty Course: Stained Glass | 2 |
| H.P. 0240 | Specialty Course: Masonry & Stonework | 2 |
| Total Credits Third Semester | | 15 |
| Fourth Semester | | |

| | | |
|-----------|--|-----------|
| H.P. 0250 | Historic Research and Field Studies | 2 |
| H.P. 0260 | Site Investigation & Documentation II - HABS | 3 |
| H.P. 0270 | Building Diagnostics | 3 |
| H.P. 0280 | Specialty Course: Metals | 2 |
| H.P. 0290 | Field Lab | 4 |
| H.P. 0299 | Special Projects in Preservation | 3 |
| | Total Credits Fourth Semester | 17 |
| | Total Credits for Historic Preservation Program | 66 |

This degree is designed for bi-yearly intake of students starting in Fall 2005. The reasoning for this is to help reduce costs associated with offering first and second year courses in the same semester. To help generate revenue and market the degree, specialty courses will be the only classes offered the first year.

Growth in this degree will happen with the possible development of an additional two years that will build on documentation and research.

FACULTY AND STAFF REQUIREMENTS

- 1. Please indicate, by name and rank, current faculty who will be involved with the program proposed herein.**

Steve Luft, Department Head, Trades & Technical
 Kent Peterson, Drafting faculty
 Dennis Noel, Metals Fabrication faculty

- 2. Please project the need for new faculty over the first five-year program. Include special qualifications or training. If present faculty are to conduct the new program, please explain how they will be relieved from present duties.**

Specialty classes will be the only core classes offered the first year. Adjunct instructors that are subject matter experts will teach these classes. The department head will coordinate and schedule these classes during the first year.

- 3. Please explain the need and cost for support personnel or other required personnel expenditures.**

Current support in Trades and Technical is adequate to meet these needs.

CAPITAL OUTLAY, OPERATING EXPENDITURES, AND PHYSICAL FACILITIES

- 1. Please summarize operating expenditure needs.**

The program coursework will be contracted to adjunct faculty with the specialty in the area. Therefore, no full time faculty will be allocated to the program. The organization and delivery of the program is under the control of the department head in Trades and Technical.

The degree program will be offered to a cohort of no less than 7 students. The excess capacity in the individual coursework will be offered to the community. The budget presented is for a cohort intake in year 1 and another in year 3.

| FISCAL IMPACT AND BUDGET INFORMATION | | | | | | |
|--|-------------------|------------------|--------------------|------------------|-------------------|------------------|
| | FY 2005 | | FY 2006 | | FY 2007 | |
| | First Year | | Second Year | | Third Year | |
| | FTE | Headcount | FTE | Headcount | FTE | Headcount |
| | 7.9 | 7 | 7.5 | 7 | 7.9 | 7 |
| GRAND TOTAL Planned Annual FTE and Headcount | 7.9 | 7 | 7.5 | 7 | 7.9 | 7 |
| | First Year | | Second Year | | Third Year | |
| | FTE | Cost | FTE | Cost | FTE | Cost |
| | 7.9 | | 7.9 | | 7.9 | |
| II. EXPENDITURES | | | | | | |
| A. Personnel Cost | | | | | | |
| 1. Faculty | | | | | | |
| 2. Administrators | | | | | | |
| 3. Adjunct Faculty | 0.37 | 9152 | 0.93 | 23296 | 0.37 | 9152 |
| 4. Graduate/Instruct Asst. | | | | | | |
| 5. Research Personnel | | | | | | |
| 6. Support Personnel | | | | | | |
| 7. Fringe Benefits | | 550 | | 1400 | | 550 |
| 8. Other() | | | | | | |
| Total Personnel FTE | | | | | | |
| And Cost | 0.37 | 9702 | 0.93 | 24696 | 0.37 | 9702 |
| B. Operating Expenditures | | | | | | |
| 1. Travel | | | | | | |
| 2. Professional Services | | | | | | |
| 3. Other Services | | | | | | |
| 4. Communications | | | | | | |
| 5. Utilities | | | | | | |
| 6. Materials and Supplies | | 775 | | 775 | | 775 |
| 7. Rentals | | | | | | |
| 8. Repairs & Maintenance | | | | | | |
| 9. Materials & Goods for Manufacturing & Resale | | | | | | |
| 10. Miscellaneous | | | | | | |
| Total Operating Expenditure | | 775 | | 775 | | 775 |
| C. Capital Outlay | | | | | | |
| 1. Library Resources | | | | | | |
| 2. Equipment | | 1124 | | 1124 | | 1124 |
| Total Capital Outlay | | 1124 | | 1124 | | 1124 |
| D. Physical Facilities | | | | | | |
| Construction or Major Renovation | | | | | | |
| TOTAL EXPENDITURE | | 21717 | | 26595 | | 11601 |

| | FY 2005 | | FY 2006 | | FY 2007 | |
|------------------------------------|------------|-------|-------------|-------|------------|-------|
| III | First Year | | Second Year | | Third Year | |
| | FTE | Cost | FTE | Cost | FTE | Cost |
| A. Source of Funds | | | | | | |
| 1. Appropriated Funds-Reallocation | | | | | | |
| 2. Appropriated Funds-New | | | | | | |
| 3. Federal Funds | | | | | | |
| 4. Other Grants | | | | | | |
| 5. Fees & Tuition | | 19880 | | 21072 | | 21072 |
| 6. Other(<u>Fees</u>) | | 1550 | | 1550 | | 1550 |
| TOTAL SOURCE OF FUNDS | | 21430 | | 22622 | | 22622 |
| B. Nature of funds | | | | | | |
| 1. Recurring | | | | | | |
| 2. Non-Recurring | | | | | | |
| GRAND TOTAL REVENUES | | 21430 | | 22622 | | 22622 |
| REVENUE less Expenses | | (287) | | 3973 | | 11021 |

For consumables only: Course fees for the following HP courses are requested:

| | | |
|-----------------------|---|---------|
| HP 0240 Masonry | 2 | \$40.00 |
| HP 0280 Metals | 2 | \$50.00 |
| HP 0220 Millwork | 2 | \$40.00 |
| HP 0230 Stained Glass | 2 | \$40.00 |
| HP 0130 Wood | 2 | \$40.00 |
| HP 0120 Plaster | 2 | \$50.00 |

2. Please evaluate library resources. Are they adequate for the operation of the proposed program? If not, how will the library need to be strengthened during the next three years?

Montana Tech allocates library resources to the Deans. In discussion with the department heads, the annual allocation is agreed upon. Frequently new programs receive increased funding for collection development for a period. Each degree area has an allocation of approximately \$300.00 for reference materials specific to the degree. The department will purchase requested reference materials once the library allocation is expended. A small research library space has been identified in the areas designated for this degree.

3. Please indicate special clinical, laboratory, and/or computer equipment that will be needed. List those pieces of equipment or computer hardware presently available in the department.

Room 126 located at Montana Tech's College of Technology has been identified for the Historic Preservation degree. This space has many of the requirements needed for this degree such as:

- Large open lab space
- Expandable main electrical boxes for large stationary equipment
- Water supply

- Air supply lines are in place
- Metal ducting in place for dust collection system
- Large garage door
- Spray booth

Stationary Equipment List & Electrical Requirement for Historic Preservation Degree

| <u>Equipment Description</u> | <u>Motor HP</u> | <u>Phase</u> | <u>Voltage</u> | <u>Estimated Cost</u> |
|------------------------------|-----------------|--------------|----------------|-----------------------|
| Radial Arm Saw 12" | 1.50 | single | 120/240 | \$1,700.00 |
| Table Saw 10" | 3.00 | | 220 | \$1,900.00 |
| Jointer 8" x 75" | 2.00 | single | 110/220 | \$800.00 |
| Planer 20" | 5.00 | single | 220 | \$1,600.00 |
| Band Saw 17" | 2.00 | single | 220 | \$750.00 |
| Drill Press 12 speed 20" | 1.50 | | 110 | \$450.00 |
| Lathe w/duplicator 14" | 0.50 | | 110 | \$500.00 |
| Shaper with slide table | 3.00 | single | 220 | \$1,500.00 |
| Dust Collector | 10.00 | three | 220/440 | \$1,600.00 |
| Compound Miter Saw 12" | | | 110 | \$620.00 |
| | | | | <u>\$11,420.00</u> |

4. Please describe facilities and space required for the proposed program. Are current facilities adequate for the program? If not, how does the institution propose to provide new facilities?

All core classes in the Historic Preservation degree will be held in Room 126 at the College of Technology. Square footage for this space is as follows:

| | |
|-----------------------------|-------------|
| Tool Storage | 304 |
| Office | 103 |
| Research Library | 191 |
| Spray Booth | 182 |
| Large shop area | 3535 |
| <u>Total Square Footage</u> | <u>4315</u> |

EVALUATION OF PROPOSED PROGRAM

1. Please name faculty committees or councils that have reviewed and approved the program herein proposed.

Degree has been reviewed and endorsed by the local and State Historic Preservation Office (SHPO). Review comments are attached.

Pending review of Campus Curricular Review Committee – 4/23/04
 Full faculty 4/29/04 .

2. If outside consultants have been employed, please list the names of these consultants, their current positions and titles. Append copies of their written reports.

No outside consultants have been employed.

APPENDIX:

A: National Historic Preservation Act of 1966,

B: Letters of Support

**A: National Historic Preservation Act of 1966,
As amended through 2000**

Section 1

[16 U.S.C. 470 — Short title of the Act]

(a) This Act may be cited as the "National Historic Preservation Act".

[Purpose of the Act]

(b) The Congress finds and declares that -

- (1) the spirit and direction of the Nation are founded upon and reflected in its historic heritage;
- (2) the historical and cultural foundations of the Nation should be preserved as a living part of our community life and development in order to give a sense of orientation to the American people;
- (3) historic properties significant to the Nation's heritage are being lost or substantially altered, often inadvertently, with increasing frequency;
- (4) the preservation of this irreplaceable heritage is in the public interest so that its vital legacy of cultural, educational, aesthetic, inspirational, economic, and energy benefits will be maintained and enriched for future generations of Americans;
- (5) in the face of ever-increasing extensions of urban centers, highways, and residential, commercial, and industrial developments, the present governmental and nongovernmental historic preservation programs and activities are inadequate to insure future generations a genuine opportunity to appreciate and enjoy the rich heritage of our Nation;
- (6) the increased knowledge of our historic resources, the establishment of better means of identifying and administering them, and the encouragement of their preservation will improve the planning and execution of Federal and federally assisted projects and will assist economic growth and development; and
- (7) although the major burdens of historic preservation have been borne and major efforts initiated by private agencies and individuals, and both should continue to play a vital role, it is nevertheless necessary and appropriate for the Federal Government to accelerate its historic preservation programs and activities, to give maximum encouragement to agencies and individuals undertaking preservation by private means, and to assist State and local governments and the National Trust for Historic Preservation in the United States to expand and accelerate their historic preservation programs and activities.

B: Letters of support

**Proposal for a Two-Year Associate Degree Program
in Building Preservation/Restoration
for Montana Tech's College of Technology**

Butte, Montana has one of the nation's largest National Historic Landmark Districts. What better place to offer an academic degree in historic building preservation? While there are several colleges and universities in the Western States that offer graduate degrees in Historic Preservation, Butte's program would be unique in offering a 2-year associate degree (AAS) in Building Preservation/Restoration.

An excellent model for the academic program we envision for Butte is the program at Belmont Technical College located in St. Clairsville, Ohio. The philosophy behind Belmont's program is to have students learn about preservation by actual experience. In addition to its on-campus shop areas, the college uses an old historic building as a field lab house. Students are expected to get involved in the field, in community projects, and in developing projects of their own. Graduates of the program become preservation craftsmen, consultants, restoration contractors, Main Street managers, and private business owners.

Building preservation is a field with tremendous potential for growth. We feel that the degree program would bring in students from a wide area of the Northwest. Students working on projects in Butte's Uptown area would help to preserve our own rich architectural heritage. Small retail and manufacturing businesses selling or producing preservation-related products would be a natural offshoot of the academic program. Such businesses would bring in customers from Missoula, Bozeman, and Billings-- any place with historic residences or buildings-- to see firsthand the products that they otherwise have to purchase through catalogs or on the Internet.

We feel this is a win/win proposition for Butte. Its long-term effects will impact Butte's physical appearance, as well as its economy. Let's invest in Butte's future for generations to come!

The following page offers some information about the Building Preservation Technology program at Belmont Technical College in Ohio. More detailed information can be obtained by visiting their website at www.belmont.cc.oh.us/Majors/BldgPres.htm

We would be happy to present this information again, or in more detail, to any interested parties. Thank you for taking the time to listen.

Kelly Rose 782-8458

Irene Scheidecker 782-5015



MONTANA HISTORICAL SOCIETY

225 North Roberts ♦ P.O. Box 201201 ♦ Helena, MT 59620-1201
 ♦ (406) 444-2694 ♦ FAX (406) 444-2696 ♦ www.montanahistoricalsociety.org ♦

March 1, 2004

Steve Luft, Department Head
 Trades and Technical Department
 Montana Tech College of Technology
 25 Basin Creek Rd.
 Butte, MT 59701

Dear Prof. Luft:

Thank you for inviting me to write in support of the development of a historic preservation technology program at Montana Tech College of Technology. I am most happy to do so.

To my knowledge, no unified program currently exists in the state that addresses historic preservation technology and trades in the manner in which you have outlined in your proposal. Such a program, taught as you described within the national philosophy and standards of historic preservation, will have clear relevance and benefits to Montana. Specifically, I believe your program could:

- Provide students with tangible knowledge and skills that can be applied in the growing workplace of professional historic building restoration, rehabilitation and preservation;
- Contribute to the foundation of a much-needed small scale preservation trades industry in support of historic preservation and economic redevelopment in the state;
- Articulate in a mutually beneficial and collegial way with existing and developing applied historic preservation curricula, for example at the Department of Anthropology, University of Montana, Missoula;
- Create and participate in potential partnerships beyond the University among city, state and federal agencies and private enterprise involved in heritage resource conservation and management; and
- Benefit from - and be a great benefit to - the local historic preservation laboratory that is Butte, the largest urban National Historic Landmark in the Northwest.

As a state clearinghouse for information and guidance, the Montana State Historic Preservation Office would be happy to be a resource to the development of your program. Please continue to let us know how we may assist you in this worthy effort.

Sincerely,

Mark F. Bäumer, Ph.D.
 State Historic Preservation Officer



STATE HISTORIC PRESERVATION OFFICE ♦ 1410 8th Ave ♦ P.O. Box 201202 ♦ Helena, MT 59620-1202
 ♦ (406) 444-7715 ♦ FAX (406) 444-6575



**BUTTE-SILVER BOW
DEPARTMENT OF PUBLIC WORKS
HISTORIC PRESERVATION OFFICE
126 West Granite Street
Butte, MT 59701
Phone - (406) 497-6515 Fax - (406) 497-6524**

March 1, 2004

Mr. Steve Luft
Trades & Technology Department Head
School of Technology, Montana Tech, University of Montana
25 Basin Creek Road
Butte, MT 59701

Dear Steve:

I would like to lend the full support of the Butte-Silver Bow (BSB) Historic Preservation Office in the development of a degree program for Historic Preservation to be based in Butte Montana at the School of Technology. The Butte National Historic Landmark District is one of the Nation's largest districts and presents itself as a living laboratory, with its successes, failures, and significant problems and opportunities.

The BSB Historic Preservation Office believes that such a scholastic endeavor will greatly assist in helping the "Butte Community", and in particular historic preservation efforts if a "service learning" approach is taken in fulfilling this degree program requirement. BSB also has the ability to utilize historic properties acquired by tax default as true-life learning/construction labs with an end result that benefits a neighborhood and the Historic District.

Please forward this letter of support to those reviewing this proposed Historic Preservation Degree Program.

Sincerely,

Mark Reavis
Butte-Silver Bow
Historical Preservation Officer
Licensed Architect, State of Montana #1438