

May 22-23, 2013

ITEM 159-102-R0513

Collaborative Ph.D. in Materials Science between The University of Montana–Missoula, Montana Tech of The University of Montana, and Montana State University–Bozeman

THAT

In accordance with Montana University System Policy, The University of Montana-Missoula, Montana Tech of The University of Montana, and Montana State University-Bozeman seek approval from the Board of Regents of Higher Education to create a collaborative Ph.D. program in Materials Science.

EXPLANATION

Given that materials science and materials engineering are growing in both the nation and the state and that many of the relevant technical concepts and issues require a level of understanding and experience equivalent to Ph.D. level training, the proposed program will focus on near-term industrial need and long-term research issues, both of which will directly benefit Montana industries. The curriculum will involve both physical science and engineering, and courses will be offered at The University of Montana-Missoula (UM), Montana Tech of The University of Montana (MTech), and Montana State University-Bozeman (MSU). Support of Ph.D. dissertations will come from several sources including extramural funding and internships from government sponsors, industrial partners, participating corporations, and affiliated research centers, particularly State Centers of Excellence.

This program will aid the efforts of various departments and centers at UM, MTech, and MSU. Implementation of the proposed Ph.D. program will enable students to pursue their studies within the Montana University System (MUS) and, additionally, attract qualified graduate students from other parts of the nation and the world.

ATTACHMENTS

Level II Request Form
Curriculum Proposal

Appendix I - Facilities and Equipment
Appendix II – Representative Stakeholders and Likely Sponsors
Appendix III - Courses for the MatSci Ph.D. Program
Appendix IV - Benchmarking Study of Materials Science & Materials Science and Engineering Doctoral Programs
Appendix V – Governance and Administration
Appendix VI – Initial MatSci Ph.D. Program Faculty

Attachment #1: Business Plan for the Montana University System Collaborative Materials Science Ph.D.
Attachment #2: AAAS Review of Proposed Joint Ph.D. Program in Material Science