

DRAFT

TO: President Bruce D. Benson

Approved

FROM: Chancellor M. Roy Wilson

DATE: July 23, 2008

SUBJECT: New Degree Proposal: Master of Science in Global Energy Management

I. REQUEST FOR ACTION BY THE BOARD OF REGENTS

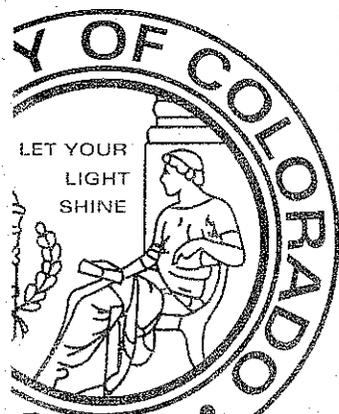
Upon the recommendation of Provost Roderick Nairn and Dean Sueann Ambron of the Business School, I recommend that the following resolution be submitted for approval by the Board of Regents on October 7, 2008.

RESOLVED that the degree Master of Science in Global Energy Management at the University of Colorado Denver be approved by the Board of Regents as a new degree program in the Business School. Upon board approval, this request will be transmitted to the Colorado Department of Education for approval.

II. STATEMENT OF INFORMATION

The Global Energy Management (GEM) Program is a joint effort between the University of Colorado Denver (UC Denver) Business School and energy industry leaders to provide well-trained individuals to fill a much needed management succession plan for the energy industry. The program, to be housed in UC Denver's Business School, is designed as a 36-semester credit hour, eighteen-month, cohort-based Master of Science degree in Global Energy Management. The program is an extended studies program (D2), is fully-funded by tuition from the program, and requires minimal resources from the university.

The structure of the program will allow students to work full time while attending classes, combining classroom and online educational systems. GEM will link students, professors, and energy professionals worldwide with streaming video, video conferencing, and virtual classrooms. This delivery format will increase the attractiveness of the program as it allows students to continue to work anywhere in the world and still pursue a GEM degree. The combination of classroom and online delivery differentiates this program from other energy management programs which require students to physically attend on-campus classes throughout the entire term. This degree program is further differentiated by the fact it is the only dedicated



Master of Science degree in Global Energy Management. Research shows that all other graduate-level energy management degrees in Colorado, the United States, and North America are specialty tracks placed within traditional MBA programs.

The proposed program was thoroughly reviewed by Joseph Doucet, PhD, Enbridge Professor of Energy, University of Alberta, Edmonton, Alberta, Canada, who believes the MS degree in Global Energy Management “is a well structured program that meets a significant need for highly skilled professionals.” Furthermore, the UC Denver Graduate Council considered the degree program and voted unanimously to approve the degree, “. . . with great enthusiasm” on April 11, 2008.

This item will be reviewed and discussed at the August 20, 2008, Academic Affairs Committee meeting.

III. PREVIOUS ACTION

None.



University of Colorado Denver

Office of the Provost

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13120 E Nineteenth Ave
Mail Stop A095, PO Box 6508
Aurora, Colorado 80045
Phone: 303.724.8071
Fax: 303.724.1566

To: Chancellor M. Roy Wilson, MD, MS

From: Provost Roderick Nairn, PhD

A handwritten signature in black ink, appearing to read "R. Nairn".

Date: July 17, 2008

Subject: Master of Science in Global Energy Management

Attached please find the complete proposal for a new degree at the University of Colorado Denver. The proposed degree, a Master of Science (MS) in Global Energy Management (GEM) will be offered in the Business School on the downtown Denver campus. The Global Energy Management program is a collaboration with industry leaders to fill a void of individuals who will provide a much needed management succession plan for the energy industry. The program will focus on energy leadership education and the curriculum will be customized courses tailored to the energy industry. The program's structure will allow students to work while attending classes by offering a blend of intensive classroom time coupled with online content. This delivery format with its combination of classroom and online delivery differentiates it from other energy management programs. This program is the only dedicated Master of Science degree in Global Energy Management. Other graduate level degrees are specialty tracks within traditional MBA programs.

Upon approval, we plan to matriculate a cohort of students in January 2009. Recruitment of students will be from the companies in the energy industry or those with the intent of moving into managerial positions within the energy industry. Often individuals have strong engineering and scientific skill and lack the business acumen to fill leadership positions. The concept for this program was in response to demand from local and international energy companies. Close to half of the industry's management personnel are eligible for retirement in the next 5-7 years. It is anticipated that there will be strong workforce demand for GEM graduates to move into leadership roles in the industry.

The GEM program fits well with the UC Denver mission as well as that of the Business School. It is consistent with the new UC Denver strategic plan and could be a model program of meeting the industry needs of the city, state and region. The Business School faculty voted unanimously to recommend the degree, curricula and course descriptions on February 14, 2008, and the Graduate Council also unanimously supported the program on March 14, 2008. It was also positively reviewed by an external reviewer, Joseph Doucet, PhD, Enbridge Professor of Energy, University of Alberta.

We anticipate the proposed program will be started with corporate donations and in year two will bring a revenue resource to the university. The program will be cash funded and supported by student tuition.

The proposal for the MS in Global Energy Management in the Business School has my full support. Thank you for your consideration of this request.



BUSINESS SCHOOL

UNIVERSITY OF COLORADO AT DENVER
AND HEALTH SCIENCES CENTER

Downtown Denver
1250 14th Street, Second Floor
Campus Box 165, P.O. Box 173364
Denver, Colorado 80217-3364

July 15, 2008

Roderick Naim,
Provost and Vice Chancellor for Academic and Student Affairs
University of Colorado Denver

SUBJECT: Adequacy of Resources for Proposed M.S. Degree in Global Energy
Management, Business School, University of Colorado Denver

Dear Rod,

The M.S. degree in Global Energy Management was reviewed at the Business School using the following process:

1. The Business School engaged in extensive collaboration with the energy industry to craft a program that will meet their needs for management education.
2. The program as developed provides a unique vehicle for management education for the energy industry while still maintaining the high standards of AACSB for the Business School.
3. The program is patterned after our highly successful and ranked Health Administration.
4. Open discussions sessions with the faculty were held during program development.
5. The Business School faculty unanimously approved development of the degree at a special faculty meeting on Thursday, February 14, 2008.
6. The proposal was presented to the graduate council and received unanimous support on April 11, 2008.

The M.S. in Global Energy Management is a cash-funded program. It is designed to be self-funding. The proposal contains a detailed analysis of projected student enrollment, revenues and costs associated with the program. We have reviewed these projections and are confident that the school has adequate resources to support the program until it is self-sustaining.

The M.S. in Global Energy Management will benefit the Business School and the university by increasing enrollment and servicing the business community's needs for management professionals.

I enthusiastically support the GEM program and believe it will be an asset to the university and the community.

Sincerely,

Sueann Ambron
Dean



University of Colorado Denver

Graduate School
Downtown Campus

Campus Box 163, P.O. Box 173364
Denver, Colorado 80217-3364
Phone: 303-315-5826, Fax: 303-315-5829

Robert Damrauer
Interim Graduate Dean
Professor of Chemistry

April 14, 2008

Col. John Turner
Downtown Denver Campus Box 165
PO Box 173364
Denver, CO 80217-3364

Re: M.S. in Global Energy Management

Dear John:

At the Graduate Council last Friday (April 11, 2008), we considered the M.S. in Global Energy Management. The Council unanimously approved the degree with great enthusiasm. Their view is that the future of the program and its potential for expansion is bright.

All in all, this was a carefully considered and thoughtful presentation to us. Both the Council and I wish you all the best with the GEM program in the future.

Sincerely,

Bob

Robert Damrauer
Interim Graduate School Dean

cc: Dean Sueann Ambron, Business

**Proposal for M.S. in Global Energy Management Degree
Business School
University of Colorado Denver**

Executive Summary for August 20th Board of Regents Meeting

1. Overview of MS in Global Energy Management

- The planning, organizing, staffing, leading, directing and controlling of energy firms in a constantly changing and challenging political, legal, regulatory, environmental and increasingly nationalistic global environment with resources and labor located and working in many different countries and political systems. The emphasis of Global Energy Management is on leadership.

2. Rationale for degree

- This degree was specifically requested by major companies and people in the energy industry to fill a void in energy leadership education.
 - i. 40 – 50% of energy industry leaders eligible to retire in 5 years.
 - ii. People slated to move up into management have engineering/energy science backgrounds but lack business acumen and experience.
 - iii. Industry wants an MS degree completely tailored to the specialized business requirements of their companies.
- Research among 19 universities and colleges in the United States, Canada and Europe offering energy management revealed the following:
 - i. There are no MS degrees in Global Energy Management offered in Colorado, the United States, or Europe.
 - ii. Energy degrees, where offered are MBA degrees with a track in energy management which is not specialized enough for the needs of the industry.
- There is both company and student demand for the degree.
- The proposed degree supports the role and mission of UCD and the strategic plans for the UCD business school.

3. Degree Requirements and Program Size

- 36 credit hour (12 courses) 8 required courses; 4 electives
- Degree is designed for full time working students who take two courses per term
- Program is a cohort program. All students start together, progress together and graduate together in 18 months.
- 32 per cohort group, 3 cohort groups, “steady state” in three years

4. Projected Costs and Revenues of Degree

- The degree is expected to be an immediate positive revenue generator for the university.
- A D2 program, completely self funding, no cost to the university
- Revenues—fully supported by student tuition and corporate funding

	First Year	Second Year	Third Year	Fourth Year	Fifth Year
Estimated Revenues	\$576,000	\$2,880,000	\$3,456,000	\$3,456,000	\$3,456,000
Estimated Corporate Funds	\$371,827				
Estimated Expenses	\$947,827	\$2,756,225	\$3,281,164	\$3,377,643	\$3,352,643
Estimated Surplus	\$ 0	\$ 123,775	\$ 174,836	\$ 78,357	\$ 103,357