

ACADEMIC AFFAIRS COUNCIL

AGENDA ITEM: 4.B.1

DATE: July 26, 2010

**SUBJECT: New Certificate Program – BHSU, Energy Management Technology
Certificate**

Black Hills State University has submitted an Energy Management Technology Certificate (EMTC) effective the Fall 2010 semester. (Attachment I) This will be on the COPS agenda for July.

RECOMMENDED ACTION

Informational.

**SOUTH DAKOTA BOARD OF REGENTS
Certificate Request**

This form is to be used to request approval for a new certificate program that includes currently offered courses. A certificate program is not a major or minor. Refer to BOR policy 2:23 Certificate Programs.

<u>SDSU</u> Institution	<u>Industrial Technology</u> Division/Department	 Institutional Approval Signature	<u>June 18, 2010</u> Date
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1. Name of Program: Energy Management Technology Certificate (EMTC)

2. Provide a justification for the program.

This program addresses the ongoing need to train workers in energy reduction technology and thereby increase the profitability of South Dakota businesses. Energy Management Technicians identify energy waste within an industrial, commercial, or institutional facility, and then use the latest in building automation control technology to reduce energy costs, striving for continuous, incremental improvement in energy efficiency. This improvement reduces energy costs and increases profits, making companies more competitive in the global market, more likely to invest in research and development and capital projects, and better positioned to gain market share.

3. Who is the audience for the program?

This certificate is aimed at two audiences:

First it will serve incumbent workers in: (1) South Dakota's manufacturing community, improving profitability and increasing market share, (2) public agencies such as school districts, local governments, and higher educational agencies, and (3) commercial organizations of every type, improving efficiency.

Secondly it will create new workers, not yet employed, but highly employable. EMTC holders will benefit from the educational experience in three ways: (1) they will have the Energy Management Technology Certificate, (2) they will have the National Career Readiness Certificate (NCRC) which is required for the certificate (certificate holders must pass the NCRC examination at the Silver Level or higher), (3) the proposed certificate would prepare the most highly-qualified students to sit for the Association of Energy Engineers Certified Energy Manager (CEM®) exam, a nationally recognized standard of professional achievement.