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PROGRAM/DEGREE REQUIREMENT CHANGE (MAJOR/MINOR)

SUBMITTED BY:

Department	Mining and Geological Engg	College/School	CEM
Prepared by	Rajive Ganguli	Phone	7212
Email Contact	rganguli@alaska.edu	Faculty Contact	Rajive Ganguli

See <http://www.uaf.edu/uafgov/faculty/cd> for a complete description of the rules governing curriculum & course changes.

PROGRAM IDENTIFICATION:

DEGREE PROGRAM	Mining Engineering
Degree Level: (i.e., Certificate, A.A., A.A.S., B.A., B.S., M.A., M.S., Ph.D.)	BS

A. CHANGE IN DEGREE REQUIREMENTS: (Brief statement of program/degree changes and objectives)

No change in degree requirements. We are only requesting a change in the introductory description of the program as it contains our program educational objectives, which was recently modified.

B. CURRENT REQUIREMENTS DESCRIPTION AS IT APPEARS IN THE CATALOG:

Mining Engineering
 College of Engineering and Mines
 Department of Mining and Geological Engineering
 907-474-7388
www.uaf.edu/cem/min/
B.S. Degree
 Minimum Requirements for Degree: 132 credits
 As the nation's northernmost accredited mining engineering program, our mission is to advance and disseminate knowledge for exploration, evaluation, development and efficient production of mineral and energy resources with assurance of the health and safety of persons involved and protection of the environment, through creative teaching, research and public service with an emphasis on Alaska, the North and its diverse peoples.
 The mining engineering program emphasizes engineering as it applies to the exploration and development of mineral resources and upon the economics of the business of mining. The program offers specializations in exploration, mining or mineral beneficiation. Students are prepared for job opportunities with mining and construction companies, consulting and research firms, equipment manufacturers, investment and commodity firms in the private sector, as well as with state and federal agencies.
 The mining engineering program educational objectives are to graduate competent engineers who are prepared for employment in the mineral and energy industries in temperate and arctic regions, are prepared to solve problems germane to Alaska, and are prepared for graduate studies at the masters or doctoral level.
 Mining engineers may aspire to, and achieve, the highest positions in the industry: operating or engineering management, government agency director or entrepreneur. Starting salaries are among the highest in the engineering profession.
 Students may initiate their mining engineering program in Anchorage and transfer to Fairbanks upon completion of their freshman or sophomore year. Anchorage students intending to transfer to Fairbanks should contact faculty of the UAF mining engineering

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Admissions & Registrar

department.

Candidates for the B.S. degree in mining engineering must take the state of Alaska Fundamentals of Engineering examination. The Fundamentals of Engineering examination is a first step toward registration as a professional engineer.

The minor in mining engineering provides non-mining engineering students with an opportunity to acquire employable skills in the mining profession. Students in the mining engineering minor will be trained in a broad variety of topics such as mine ventilation, ground control, mine operation, economics, environmental law and labor management. Students will have the choice of other mining topics to make up the minor requirements.

For more information about the Mining Engineering Program mission, goals and educational objectives, visit www.uaf.edu/cem/min/about/.

C. PROPOSED REQUIREMENTS DESCRIPTION AS IT WILL APPEAR IN THE CATALOG WITH THESE CHANGES:

(Underline new wording strike through old wording and use complete catalog format)

Mining Engineering

College of Engineering and Mines
Department of Mining and Geological Engineering
907-474-7388
www.uaf.edu/cem/min/

B.S. Degree

Minimum Requirements for Degree: 132 credits

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The mining engineering program educational objectives are to graduate competent engineers who will be:

- employed in the mineral and energy industries
- solving problems germane to Alaska
- professional and understand the need to stay technically current

Mining engineers may aspire to, and achieve, the highest positions in the industry: operating or engineering management, government agency director or entrepreneur. Starting salaries are among the highest in the engineering profession.

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D. ESTIMATED IMPACT

WHAT IMPACT, IF ANY, WILL THIS HAVE ON BUDGET, FACILITIES/SPACE, FACULTY, ETC.

None

E. IMPACTS ON PROGRAMS/DEPTS:

What programs/departments will be affected by this proposed action? Include information on the Programs/Departments contacted (e.g., email, memo)

None

F. IF MAJOR CHANGE - ASSESSMENT OF THE PROGRAM:

Description of the student learning outcomes assessment process.)

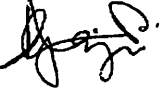
Not applicable

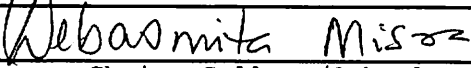
JUSTIFICATION FOR ACTION REQUESTED


The purpose of the department and campus-wide curriculum committees is to scrutinize program/degree change applications to make sure that the quality of UAF education is not lowered as a result of the proposed change. Please address this in your response. This section needs to be self-explanatory. If you drop a course, is it because the material is covered elsewhere? Use as much space as needed to fully justify the proposed change and explain what has been done to ensure that the quality of the program is not compromised as a result.

Our accreditation agency, ABET, requires that the catalog description contain the program educational objectives. We will be visit in September 2011 and, therefore, we would like to bring the catalog to meet ABET guidelines.

APPROVALS:

	Date	1/18/2011
Signature		
Program/Department of:		

	Date	2/18/11
Signature, Chair, College/School Curriculum Council for:	CEM	

	Date	2/22/11
Signature, Dean, College/School of:	CEM	

ALL SIGNATURES MUST BE OBTAINED PRIOR TO SUBMISSION TO THE GOVERNANCE OFFICE

	Date	
Signature, Chair, UAF Faculty Senate Curriculum Review Committee		