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

PROGRAM IDENTIFICATION:

DEGREE PROGRAM	Geological 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:

Geological Engineering
 College of Engineering and Mines
 Department of Mining and Geological Engineering
 907-474-7388
www.uaf.edu/cem/ge/
B.S. Degree
 Minimum Requirements for Degree: 134 credits
 The mission of the geological engineering program is to advance and disseminate knowledge related to mineral and energy exploration, evaluation, development and production; engineering site selection, construction and construction material production; and groundwater and geo-environmental engineering including geologic hazards assessment, through creative teaching, research and public service with an emphasis on Alaska, the North and its diverse peoples. Geological engineering deals with the application of geology. Geological engineers work with the environment in the true sense of the word. Properties of earth materials exploration activities, geophysical and geochemical prospecting, site investigations and engineering geology are all phases of geological engineering. The program prepares students for employment with industry, consulting companies and government agencies. The educational objectives of the geological engineering program are:

1. To prepare graduates for employment in one of the following professional areas: mineral and energy exploration and development; geotechnical engineering; groundwater engineering; or geo-environmental engineering.
2. To prepare graduates to meet the unique challenges of geological engineering problems germane to cold regions, especially Alaska.
3. To prepare graduates for graduate studies and the pursuit of lifelong learning.

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

UAF
 FEB 24 2011
 Admissions & Registrar

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)

Geological Engineering

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

B.S. Degree

Minimum Requirements for Degree: 134 credits

The mission of the geological engineering program is to advance and disseminate knowledge related to mineral and energy exploration, evaluation, development and production; engineering site selection, construction and construction material production; and groundwater and geo-environmental engineering including geologic hazards assessment, through creative teaching, research and public service with an emphasis on Alaska, the North and its diverse peoples.

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Geological engineers work with the environment in the true sense of the word. Properties of earth materials exploration activities, geophysical and geochemical prospecting, site investigations and engineering geology are all phases of geological engineering.

The program prepares students for employment with industry, consulting companies and government agencies.

The educational objectives of the geological engineering program are:

- ~~1. To prepare graduates for employment in one of the following professional areas: mineral and energy exploration and development; geotechnical engineering; groundwater engineering; or geo-environmental engineering.~~
- ~~2. To prepare graduates to meet the unique challenges of geological engineering problems germane to cold regions, especially Alaska.~~
- ~~3. To prepare graduates for graduate studies and the pursuit of lifelong learning.~~

1. Graduates will be employed in one of the following professional areas: mineral and energy exploration and development; geotechnical engineering; groundwater engineering; or geo-environmental engineering.
2. Graduates will possess technical knowledge required to meet the unique challenges of geological engineering problems germane to cold regions, especially Alaska.
3. Graduates will pursue life-long learning through continuing education opportunities, professional registration/certification, and /or graduate studies

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

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

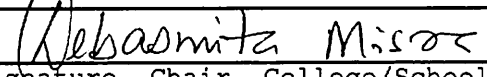
JUSTIFICATION FOR ACTION REQUESTED

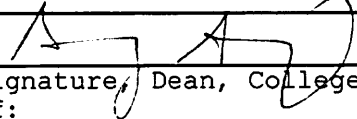
The purpose of the department and campus-wide curriculum committees is to scrutinize program/degree change applications to make sure that the quality of UAF education is not lowered as a result of the proposed change. Please address this in your response. This section needs to be self-explanatory. If 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 2/10/2011
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

Signature, Chair, UAF Faculty Senate Curriculum Review Committee
Date _____