

SIMON FRASER UNIVERSITY
Senate Committee on University Priorities
Memorandum

TO: Senate

FROM: John Waterhouse
Chair, SCUP
Vice President, Academic

RE: Certificate in Forestry Geoscience

DATE: February 11, 2002

Attached is a proposal from the Faculty of Science and the Department of Earth Sciences for a Certificate Program in Forestry Geoscience.

The Senate Committee on University Priorities reviewed the proposal at its February 6, 2002 meeting. The proposal was unanimously approved.

Once approved by Senate, the proposal is to be submitted to the Board of Governors.

Motion

That Senate approves and recommends to the Board of Governors the proposal for a Certificate in Forestry Geoscience as outlined in s. 02-21"

encl.

c: W. Davidson
R. Mathewes
D. Stead

SCUS reference: SCUS 01-26c
SCUP reference: SCUP 02-80

CERTIFICATE IN FORESTRY GEOSCIENCE

This program provides students with an opportunity to obtain a specialization in geoscience courses having direct relevance to careers in the forestry industry. It is directed, in the first place, to undergraduates taking a major in Earth Science or Physical Geography. Credits applied to this certificate may not be applied to another SFU certificate or diploma.

Program Requirements

The certificate requires the completion of 30-32 credit hours of required course work and electives as follows.

Required Courses (24 Credits)

GEOG 213-3 Geomorphology I
EASC 204-3 Structural Geology I
EASC 313-3 Introduction to Soil and Rock Engineering
EASC 413-3 Forestry Geotechnics
EASC 411-3 Applied Environmental Geology
EASC 418-1 Terrain Stability: Assessment and Mitigation
EASC 419-1 Forest Harvesting Technology
GEOG 317-4 Soil Science I

GEOG 253-3 Aerial Photographic Interpretation or
EASC 206-1 Field Geology I and EASC 306-2 Field Geology II

Elective Courses (6-8)

and one of
GEOG 311-4 Hydrology I
EASC 304-3 Hydrogeology
and one of
EASC 403-3 Quaternary Geology
GEOG 313-3 Geomorphology II
GEOG 412-4 Glacial Processes and Environments
GEOG 417-4 Soil Science II

Additional Resources

None. This certificate is a combination of both existing and recently approved new courses.