

Draft 2+2 Transfer Agreement Between Kwantlen University College (Associate Degree in General Science) and the UNBC Environmental Science Program (BSc major)

March 30, 2007

Students completing the two-year Associate Degree in General Science at Kwantlen College may obtain a UNBC Degree (BSc Major) in Environmental Science by meeting all the requirements of the current calendar, or, by completing the following modified program at UNBC. Entrance to the modified program at UNBC requires the following:

- 1) Associate Degree in General Science from Kwantlen College with an overall minimum GPA of 2.0
- 2) Successful completion of the following Kwantlen College courses:

English

Two of:

ENGL 1100 (3) Reading, Writing and Thinking: An Introduction
ENGL 1202 (3) Reading and Writing about Selected Topics: An Introduction to Literature
ENGL 1204 (3) Reading and Writing about Genre: An Introduction to Literature

First Year Mathematics

MATH 1120 (3) Differential Calculus
MATH 1220 (3) Integral Calculus

First Year Science

BIOL 1110 (4) Introductory Biology 1
BIOL 1210 (4) Introductory Biology 2
CHEM 1110 (4) The Structure of Matter
CHEM 1210 (4) Chemical Energetics and Dynamics

PHYS 1101 & 1102 Physics for Life Sciences I & II

or

PHYS 1120 & 1220 Physics for Physical and Applied Sciences I & II

Second Year Science and Mathematics

BIOL 2322 (4) Ecology
CHEM 2320 (4) Organic Chemistry I
GEOG 2320 (3) Geomorphology
GEOG 2330 (3) Introduction to Hydrology (*need approval from Kwantlen)

Two of:

BIOL 2421 (3) Cellular Biochemistry
CHEM 2310 (4) Physical Chemistry
CHEM 2420 (4) Organic Chemistry II

Other Courses

GEOG 1101 (3) Introduction to Geography
GEOG 1110 (3) Introduction to the Atmosphere
GEOG 1120 (3) Introduction to Earth Science
GEOG 2395 (3) Cartographic Techniques

Modified Program to obtain BSc (major) in Environmental Science

Students meeting the above requirements need the following courses at UNBC unless they have courses from Kwantlen University College that are directly transferable to UNBC courses as indicated by BCCAT.

Lower Division Requirement

200 Level

BIOL 203-3 Microbiology
ENSC 202-3 Introduction to Aquatic Systems
FSTY 205-3 Introduction to Soil Science

Upper Division Requirement

300 Level

ENPL 305-3 Environmental Impact Assessment
ENSC 308-3 Northern Contaminated Environments
MATH 342-3 Biostatistics

One of:

BIOL 302-3 Limnology
ENSC 312-3 Boundary-layer Meteorology
ENSC 350-3 Fluid Mechanics
ENSC 408-3 Storms
ENSC 425-3 Global Change Science
FSTY 455-3 Biogeochemical Processes in Soil
Systems
GEOG 311-3 Concepts in Geomorphology

One of:

ENVS 309-3 Women and Environmental Studies
FNST 304-3 First Nations Environmental
Philosophy and Knowledge
GEOG 401-3* Resource Geography
GEOG 402-3* Geography of the Circumpolar North
GEOG 403-3* Aboriginal Geography
INTS 307-3* Global Resources
INTS 340-3* The Circumpolar North in Global
Perspective
INTS 410-3* Environment and Development in the
Circumpolar North

400 Level

The 400-level requirements are unchanged from the existing UNBC Calendar. Students are required to take six courses to meet this requirement.

Areas of Focus

Students may choose to focus in an environmental system (atmospheric, aquatic, terrestrial or ecological), in Environmental Chemistry or in Environmetrics (environmental techniques). Four courses chosen from one of the following lists are required, with the provision that 1) at least two of the courses must be at the upper division (300 or 400 level), and 2) courses used to fulfill major requirements may not be used to fulfill an Area of Focus requirement.

- 1) Aquatic Systems
- 2) Atmospheric Systems
- 3) Terrestrial Systems
- 4) Ecological Systems
- 5) Environmental Chemistry
- 6) Environmetrics

Listings of courses are unchanged from the existing UNBC Calendar. Students are responsible for assuring that they meet the prerequisites of listed courses.

Elective Courses

Elective credit hours to ensure completion of at least 127 credit hours