

Draft 2+2 Transfer Agreement Between Douglas College and the UNBC
Environmental Science Program (BSc major)

March 8, 2006

Students completing the two-year Associate Degree in Environmental Science at Douglas 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 Environmental Science from Douglas College with an overall minimum GPA of 2.0
- 2) successful completion of the following Douglas College courses:

BIOL 1110 (5) Principles of Biology: the biosphere
BIOL 1210 (5) Principles of Biology: the organism
CHEM 1110 (5) Structure of Matter
CHEM 1210 (5) Chemical Energetics and Dynamics
ENGL 1130 (3) Academic Writing
ENGL 1109 (3) Studies in Fiction, Poetry and Drama
GEOG 1170 (3) Introductory Cartography
MATH 1120 (3) Calculus I
MATH 1220 (3) Calculus II
PHYS 1107 (5) Introductory General Physics I
PHYS 1207 (5) Introductory General Physics II

POLI 1101 (3) (recommended for students without a background in political science) or any of the following: ANTH 1120 (3) Native Cultures of BC, ANTH 1160 (3) Canadian Native Cultures, BUSN 1200 (3) Fundamentals of Business, BUSN 1210 (3) Management Essentials, ECON 1150 Principles of Microeconomics (3), ECON 1250 Principles of Macroeconomics (3), GEOG 1100 (3) Intro to Human Geography, PSYC 1200 (3) An Intro to Psychology II

SCIE 1100 (3) Environmental Issues
SCIE 1107 (3) Introduction to Environmental Science

SCIE 2307 (4) Field Research Project
BIOL 2322 (5) Ecology
CHEM 2303 (5) Environmental Chemistry
BIOL 2300 (5) Marine Biology
CHEM 2321 (5) Organic Chemistry I

One of:

BIOL 2421 (3) Cell Biochemistry
CHEM 2421 (5) Organic Chemistry II
CHEM 2315 (5) Introduction to Analytical Chemistry

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 Douglas College that are directly transferable to UNBC courses as indicated by BCCAT.

Lower Division Requirement

200 Level

BIOL 203-3 Microbiology (UNBC Environmental Science will accept BIOL 2400 (4) for BIOL 203-3)
ENSC 201-3 Introduction to Atmospheric Science (equivalent to GEOG 1110 (3) or GEOG 2210(3))
FSTY 205-3 Introduction to Soil Science
GEOG 210-3 Geomorphology (equivalent to GEOG 2220 (3) or GEOL 1120(3))
MATH 342-3 Biostatistics

Upper Division Requirement

300 Level

ENPL 305-3 Environmental Impact Assessment

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
- ENSC 454-3 Snow and Ice
- FSTY 455-3 Biogeochemical Processes in Soil Systems
- GEOG 310-3 Hydrology (equivalent to GEOG 2321 (3))
- 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. It is highly recommended that students within the Environmental Chemistry Area of Focus take CHEM 302-4 (Environmental Chemistry).

Elective Courses

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