



Forestry Undergraduate Curriculum Changes

Admission Changes

Spring 2006

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UBC Vancouver Undergraduate Admissions Proposal Form Change to Admission Requirements

<p>Faculty: Forestry Department: Wood Science Faculty Approval Date: March 7, 2006 Admission Committee Approval: August 9, 2006</p> <p>Effective Session: 06W, Term 1 Year for Change: 2006</p>	<p>Date: February 13, 2006 Contact Person: Dr. Simon Ellis Phone: 2-3551 Email: simon.ellis@ubc.ca</p>
<p>Proposed Calendar Entry</p> <p>Achievement of the minimum academic requirements does not guarantee admission in the event that the number of applicants exceeds the number of available spaces. Students entering from secondary school must have met the general University entrance requirements (see the chapter Admissions in this Calendar), including Mathematics 12, Chemistry 11, and Physics 12 Physics 11 and one of Biology 12, Chemistry 12 or Physics 12.</p> <p>...</p>	<p>Present Calendar Entry: URL: http://students.ubc.ca/calendar/index.cfm?tree=12,203,329,813</p> <p>The Faculty of Forestry > Bachelor of Science in Wood Products Processing > Admission</p> <p>...</p> <p>Achievement of the minimum academic requirements does not guarantee admission in the event that the number of applicants exceeds the number of available spaces. Students entering from secondary school must have met the general University entrance requirements (see the chapter Admissions in this Calendar), including Mathematics 12, Chemistry 11, and Physics 12.</p> <p>...</p> <p>Type of Action: Change admissions statement.</p> <p>Rationale: By changing the entrance requirements from Chemistry 11 and Physics 12 to Chemistry 11, Physics 11 and one of Biology 12, Chemistry 12 or Physics 12 removes barriers for many students wishing to enter this program directly from secondary school. Suitable first year science courses will be chosen by students depending on the grade 12 science subjects completed.</p>



UBC Vancouver Undergraduate Admissions Proposal Form Change to Admission Requirements

<p>Faculty: Forestry Department: Forest Resources Mgmt./Forest Sciences Faculty Approval Date: March 7, 2006 Admission Committee Approval: August 9, 2006</p> <p>Effective Session: 06W, Term 1 Year for Change: 2006</p>	<p>Date: March 6, 2006 Contact Person: Dr. Peter Marshall Phone: 2-4918 Email: peter.marshall@ubc.ca</p>
<p>Proposed Calendar Entry</p> <p><u>The Faculty of Forestry</u> > <u>Bachelor of Science in Forestry (B.S.F.)</u> > Admission</p> <p>Students may apply to enter the B.S.F. program with varying educational preparation:</p> <ol style="list-style-type: none"> 1. directly from secondary school graduation; 2. following completion of university-level work at UBC or the equivalent at another post-secondary institution; 3. after the completion of a two-year forestry diploma program at a recognized college or institute of technology; or 4. from an approved one- or two-year forestry transfer program at a BC college; or 5. following completion of a specified suite of courses at Nanjing Forestry University¹. <p>The majority of applicants from secondary school will be admitted on the basis of admission average, calculated as the average of four specified Grade 12 subjects (see <u>Admissions</u> in this Calendar). ...</p> <p>¹Details regarding which courses offered by Nanjing Forestry University constitute this suite may be found on the Faculty of</p>	<p>Present Calendar Entry: URL: http://students.ubc.ca/calendar/index.cfm?tree=12,203,328,166</p> <p><u>The Faculty of Forestry</u> > <u>Bachelor of Science in Forestry (B.S.F.)</u> > Admission</p> <p>Students may apply to enter the B.S.F. program with varying educational preparation:</p> <ol style="list-style-type: none"> 1. directly from secondary school graduation; 2. following completion of university-level work at UBC or the equivalent at another post-secondary institution; 3. after the completion of a two-year forestry diploma program at a recognized college or institute of technology; or 4. from an approved one- or two-year forestry transfer program at a BC college. <p>The majority of applicants from secondary school will be admitted on the basis of admission average, calculated as the average of four specified Grade 12 subjects (see <u>Admissions</u> in this Calendar). ...</p>



Forestry's website. The number of applicants accepted through this application route will be limited to 5 per year for each of the two program majors. All university requirements for International applicants must be met (see [Admissions](#) in this Calendar).

Type of Action: Addition to the Admissions Statement for the BSF program recognizing a block transfer arrangement with Nanjing Forestry University.

Rationale: The Faculty of Forestry has been in discussions for more than a year with Nanjing Forestry University (NFU) in the province of Jiangsu, China. NFU offers courses that match well with the courses required in the first two years of the BSF program. We see formalizing a transfer arrangement with NFU, for a limited number of students in any year, to be advantageous to both UBC and NFU. More details are provided in the attached appendix (FRST_Admissions_06).



Forestry_Admissions_06

‘2+2’ Program with Nanjing Forestry University, China

October 28, 2005

Background

China: China is undergoing rapid development at the current time. This has resulted in increasing affluence among professionals, increasing the wage-gap between the poorest and the richest components of society. The development has frequently been at significant environmental cost, and most Chinese cities now suffer from severe air quality issues, many rivers are grossly polluted, and forest degradation and conversion has been severe. It is the poorest components of society that are suffering the most from this environmental degradation, and it is not insignificant that most the recent civil unrest has been triggered by environmental crises. The Chinese government has recognized that their training in these issues is limited, particularly in the field of forestry, and is seeking to improve this training with outside help.

UBC: UBC is ideally positioned to develop partnerships with China and we have recently opened a Hong Kong office with this in mind. We have one of the strongest suites of forestry-related undergraduate programs in North America, and possibly the world. However, Forestry’s enrollment is not as large as we would like and, while our international recruitment has increased significantly, the number of students from Asia in our programs has been limited. Adding a significant Asian component to our programs would greatly diversify and enrich the undergraduate experience within our programs. In addition, as global citizens, we have a responsibility to seek to improve forest management and conservation globally, and China currently represents one of the highest priorities. By contributing to the education of a future cadre of top forest managers and teachers in China, we can make an immediate and lasting impact.

Proposal for a ‘2+2’ programme

The Faculty has made arrangements in the past with a number of institutions in British Columbia (e.g., College of New Caledonia and the former University College of the Cariboo) to take students at the end of their second year for entry into the third year of our programs. This has functioned well, although sometimes extra course work at UBC is required because of program incompatibilities. Extending this concept beyond British Columbia to China appeared to have a number of win-win possibilities. We therefore visited the top Chinese forestry universities to examine which universities would be best suited to form a partnership. We settled on Nanjing Forestry University (NFU) for a number of reasons – it is recognized as one of the best forestry universities in China, it was very keen on linking with us, and the Provincial Government of Jiangsu Province was keen to develop the province as the centre of scientific innovation in China.



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The first step was to establish contacts – this was done in 2004, and a memorandum of understanding to develop better cooperation, including potentially a ‘2+2’ program was signed by the Presidents of UBC and NFU. Over the past 9 months, we have been examining the contents of courses offered to students at Nanjing and comparing them to courses offered in the first and second years at UBC. This was not simply an exercise in matching names – we obtained course outlines and reviewed whether the course contents matched our expectations. This comparison is now complete, and the Program Directors of our BSF program majors (Forest Resources Management and Forest Operations) have indicated that the courses given to students at NFU in the first two years either meet or exceed the courses offered to our own students (see the attached table). The one exception is in MS Excel training – NFU have indicated that they could easily resolve this. The specific combination of courses that would be required is not currently offered at NFU, but they have indicated that it would be as soon as we reach a final agreement.

Potential issues

While there are likely to be many issues to address, we have begun addressing some of these.

Language: This is our most significant challenge. NFU plans to start offering some of the key courses in English, and English-language training would be an additional requirement for all potential entrants. We might require some or all students to attend summer school at UBC for further language training. This remains negotiable.

Student selection: NFU would screen potential students, but final selection would be at the discretion of UBC. UBC has been offered an office suite at NFU, and there have been suggestions that the Jiangsu Provincial Department of Education would provide funds to staff this office.

Visas: We have met with the Canadian Education Centre Network in Beijing and they have confirmed their willingness to facilitate a process that would help Chinese students obtain study visas.

Costs: NFU and Jiangsu Provincial Department of Education have already made arrangements for student loan system to help students cover UBC’s fees for overseas students.

Accommodation: It is normal practice for all students in Chinese universities to be provided with accommodation on campus. Jiangsu Province has indicated willingness to fund a similar arrangement as with Place Vanier - Tec de Monterrey and Ritsumeikon House, if student numbers from NFU become sufficiently large to warrant such an arrangement.

Failures at UBC: Students failing in the third or fourth year at UBC would be considered for re-entry to NFU. If successful upon re-entry to NFU, they would obtain an NFU degree.

Degree: Successful graduates would receive a UBC degree, not a joint UBC-NFU degree.



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Numbers: We intend to start small, with a maximum of 10 students in each of the two test program majors. If successful, we anticipate accepting up to approximately 50 students in any given annual cohort, divided across our five program/majors.

Other arrangements: We are currently discussing the opportunity for other links – for example a field course in China for our own students with teaching being provided by Faculty from NFU. We are also considering possibilities for NFU Faculty to visit UBC, either on sabbatical or for intensive training.

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Comparison with the UBC BSF Forest Resources Management Major Program Requirements

Year	UBC Course	Nanjing Forestry University Course
1	BIOL 1xx (6)	Two 1st year Biology courses
1	CHEM 1XX (3) or	No: 070123 College Physics or No: 010592 Biological Chemistry of Plants or No: 070212 Basic Chemistry
1	PHYS 1XX (3)	
1	ECON 1XX (3)	No: 050102 Technology Economics or No: 050611 Forest Economic Management
		No: 080241 College English
1	FOPR 162	No: 060036 Surveying
1	FRST 100	No: 042131 Introduction to Forestry
1	FRST 231	No: 010304 Biometrics
1	FRST 232	No: 070542 Database & its Application (Need more Excel training) (No: 060771 Microcomputer Application Technology - no outline)
1	MATH 100	No: 070017 Higher Mathematics
1	SOIL 200	No: 010902 Soil Science
2	AGRO 244	No: 010701 Climatology and Atmosphere
2	CONS 200	No: 080091 Introduction to Ecological Culture
2	ELECTIVE_1	any <u>transferable</u> elective
2	ELECTIVE_2_(SS)	any <u>transferable</u> elective in social sciences
		No: 042141 Introduction to Forest Engineering (forest road design) (also recommend No: 060671 Timber Operations and Management)
2	FOPR 262	
2	FRST 200	No: 010583 Plant Biology and No: 010953 Plant Cultivation
2	FRST 201	No: 012891 Forest Ecology
2	FRST 239	No: 010202 Forest Mensuration