

Forest Resources Management

Degree Requirements (High School Grads)

First Year

Required Courses	Credits	Done	Notes
APBI 200	3	<input type="checkbox"/>	
Select one of the following English courses: FRST 150, LFS 150, WRDS 150B, ENGL 110, or ENGL 111	3	<input type="checkbox"/>	
BIOL 111 and 121 ²	6	<input type="checkbox"/>	
CHEM 121 (CHEM 100, 111) or PHYS 101 (not offered in 21W) or PHYS 131 (PHYS 100) ³	3 or 4	<input type="checkbox"/>	
ECON 101 or FRST 101 ¹	3	<input type="checkbox"/>	
FRST 100 or FRST 110 ¹	3	<input type="checkbox"/>	
FRST 232 ⁴	3	<input type="checkbox"/>	
MATH 100, 102, 104 or 190 ⁵	3/4/6	<input type="checkbox"/>	
Electives	3	<input type="checkbox"/>	
Total Credits	30/31/32/ 33/34	<input type="checkbox"/>	

¹ Only Land One students are eligible to take FRST 101 and FRST 110.

² Students who have completed Grade 11 and/or Grade 12 Biology do not need to take BIOL 111. Instead they can take three credits of electives. Students with no high school biology are strongly recommended to take BIOL 111 in Term 1 and BIOL 121 in Term 2.

³ CHEM 111 and PHYS 100 are intended for students without CHEM 12 and PHYS 12, respectively. If students do not have Grade 12 level in both sciences, they are encouraged to select a science not taken at the Grade 12 level.

⁴ Students with strong computing skills, especially in the use of spreadsheets, can replace FRST 232 with 3 credits of electives, upon approval by the program director.

⁵ Students may take MATH 180, 184, 190 (4 credits) or MATH 110 (6 credits) instead of MATH 100, 102, or 104 (3 credits), but the credit difference cannot be applied towards program elective requirements. MATH 190 is strongly encouraged for all students with or without Calculus 12 (or a previous calculus course). Please refer to "First Year Calculus Choices" on <https://www.math.ubc.ca/Ugrad/index.shtml> for more information.

Second Year

Required Courses	Credits	Done	Notes
FRST 200	3	<input type="checkbox"/>	
FRST 201	3	<input type="checkbox"/>	
FRST 210	3	<input type="checkbox"/>	
FRST 211	3	<input type="checkbox"/>	
FRST 231	3	<input type="checkbox"/>	
FRST 239	3	<input type="checkbox"/>	
FOPR 264	4	<input type="checkbox"/>	
Specialization Courses (see below)	9	<input type="checkbox"/>	
Total Credits	31	<input type="checkbox"/>	

FRST 350 or 351 immediately preceding third year ^{7,8}	2	<input type="checkbox"/>	
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⁷ Credit will be given for only one of FRST 350 or FRST 351.

⁸ Students will be assigned to the most appropriate course based on their levels of forestry and field experience as determined by the course instructors.

Specialization in Integrated Resource Management

Required Courses	Credits	Done	Notes
CONS 200	3	<input type="checkbox"/>	
Electives	6	<input type="checkbox"/>	

Specialization in Community and Aboriginal Forestry

Required Courses	Credits	Done	Notes
CONS 370	3	<input type="checkbox"/>	
FRST 370	3	<input type="checkbox"/>	
Specialization-specific Elective ⁹	3	<input type="checkbox"/>	

⁹ Specialization-specific electives are to be chosen from the following: ANTH 201A (3), ANTH 220 (3), CONS 340 (3), CONS 481 (3), FNLG 101B (3), FNSP 210 (3), FRST 339 (3), FRST 386 (3), FRST 439 (3), FRST 470 (3), FRST 490 (3), LAW 200 (3), LAW 395A (2), POLI 316A (3), SOCI 201A (3), SOCI 220 (3), SOCI 360A (3), WOOD 474 (2).

Third Year

Required Courses	Credits	Done	Notes
FRST 305	3	<input type="checkbox"/>	
FRST 307	3	<input type="checkbox"/>	
FRST 318	3	<input type="checkbox"/>	
FRST 320	3	<input type="checkbox"/>	
FRST 339	3	<input type="checkbox"/>	
FRST 385	3	<input type="checkbox"/>	
FRST 395	3	<input type="checkbox"/>	
WOOD 365	3	<input type="checkbox"/>	
Specialization Courses (see below)	6	<input type="checkbox"/>	
Total Credits	32	<input type="checkbox"/>	
FRST 452 immediately after third year	2	<input type="checkbox"/>	

Specialization in Integrated Resource Management

Required Courses	Credits	Done	Notes
FRST 386	3	<input type="checkbox"/>	
Specialization-specific elective ¹⁰	3	<input type="checkbox"/>	

¹⁰ Specialization-specific electives are to be chosen from the Specialization-specific Elective pool: APBI 244/GEOS 204 (3); CONS 310 (3), 340 (3), 370 (3), 412 (3), 415 (3), 481 (3); FOPR 362 (3), 464 (4); FRST 302 (3), 370 (3), 403 (3), 404 (4), 427 (3), 439 (3), 443 (3), 491 (3); WOOD 492 (3).

Specialization in Community and Aboriginal Forestry

Required Courses	Credits	Done	Notes
COMR 457	3	<input type="checkbox"/>	
FRST 444	3	<input type="checkbox"/>	

Fourth Year

Required Courses	Credits	Done	Notes
FRST 415	3	<input type="checkbox"/>	
FRST 422	3	<input type="checkbox"/>	
FRST 423	6	<input type="checkbox"/>	
FRST 497	3	<input type="checkbox"/>	
WOOD 461	3	<input type="checkbox"/>	
Specialization Courses (see below)	12	<input type="checkbox"/>	
Total Credits	30	<input type="checkbox"/>	

Specialization in Integrated Resource Management

Required Courses	Credits	Done	Notes
Specialization-specific elective ¹²	6	<input type="checkbox"/>	
Electives	6	<input type="checkbox"/>	

¹² Specialization-specific electives are to be chosen from the Specialization-specific Elective pool: APBI 244/GEOS 204 (3); CONS 310, 340 (3), 370 (3), 412 (3), 415 (3), 481 (3); FOPR 362 (3), 464 (3); FRST 302 (3), 370 (3), 403 (3), 404 (4), 427 (3), 439 (3), 443 (3), 491 (3); WOOD 492 (3).

Specialization in Community and Aboriginal Forestry

Required Courses	Credits	Done	Notes
COMR 329	3	<input type="checkbox"/>	
Specialization-specific Elective ¹³	9	<input type="checkbox"/>	

¹³ Specialization-specific electives are to be chosen from the following: ANTH 201A (3), ANTH 220 (3), CONS 340 (3), CONS 481 (3), FNLG 101B (3), FNSP 210 (3), FRST 339 (3), FRST 386 (3), FRST 439 (3), FRST 470 (3), FRST 490 (3), LAW 200 (3), LAW 395A (2), POLI 316A (3), SOCI 201A (3), SOCI 220 (3), SOCI 360A (3), WOOD 474 (2).

Minor in Commerce (Option for Community and Aboriginal Forestry)

Students who desire a stronger foundation in business may consider the Minor in Commerce. Upon successful completion of this minor program, the notation "Minor in Commerce" will be placed on the student's transcript. Enrolment in this program is limited. Applications for admission can be obtained from the Faculty of Forestry Student Services and must be submitted by May 15. For an application to be considered, the student must be eligible for at least third-year standing in the Faculty (B.S.F. Forest Resources Management Major) with a cumulative average of at least 68% in the previous two years. Completion of ECON 101 (or ECON 310) and ECON 102 (or ECON 311) plus MATH 100 or 102 or 104 before applying. Meeting the stated minimum requirement does not guarantee admission into the Minor. Students may require an additional term to complete the Minor in Commerce, although it is intended to be completed over two years. For students entering the Faculty from secondary school, the program consists of 136 credits taken over four years. For those students entering the Faculty from first-year university (or its equivalent), or with a two-year Forestry Technical Diploma from a BC college or institute of technology, the program consists of 107 credits normally taken over a three-year period.

First Year

Required Courses	Credits	Done	Notes
Select one of the following English courses: FRST 150, LFS 150, WRDS 150B, ENGL 110, or ENGL 111	3	<input type="checkbox"/>	
BIOL 111 and 121 ²	6	<input type="checkbox"/>	
CHEM 121 (100, 111) or PHYS 101 (100) ³	3 or 4	<input type="checkbox"/>	
ECON 101 or FRST 101 ¹	3	<input type="checkbox"/>	
ECON 102	3	<input type="checkbox"/>	
FRST 100 or FRST 110 ¹	3	<input type="checkbox"/>	
FRST 232	3	<input type="checkbox"/>	
MATH 100, 102, 104 ⁴	3/4/6	<input type="checkbox"/>	
Electives	3	<input type="checkbox"/>	
Total Credits	30/31/32/ 33/34	<input type="checkbox"/>	

¹ Only Land One students are eligible to take FRST 101 and FRST 110.

² Students who have completed Grade 11 and/or Grade 12 Biology do not need to take BIOL 111. Instead they can take three credits of electives. Students with no high school biology are strongly recommended to take BIOL 111 in Term 1 and BIOL 121 in Term 2.

³ CHEM 111 and PHYS 100 are intended for students without CHEM 12 and PHYS 12, respectively. If students do not have Grade 12 level in both sciences, they are encouraged to select a science not taken at the Grade 12 level.

⁴ Students may take MATH 180, 184 (4 credits) or MATH 110 (6 credits) instead of MATH 100, 102, or 104 (3 credits), but the credit difference cannot be applied towards program elective requirements. Please refer to "First Year Calculus Choices" on <https://www.math.ubc.ca/Ugrad/index.shtml> for more information.

Second Year

Required Courses	Credits	Done	Notes
FRST 200	3	<input type="checkbox"/>	
FRST 201	3	<input type="checkbox"/>	
FRST 210	3	<input type="checkbox"/>	
FRST 211	3	<input type="checkbox"/>	
FRST 231	3	<input type="checkbox"/>	
FRST 239	3	<input type="checkbox"/>	
FRST 370	3		
FOPR 264	4	<input type="checkbox"/>	
Specialization-specific Elective ⁵	3	<input type="checkbox"/>	
Elective	3	<input type="checkbox"/>	
Total Credits	31	<input type="checkbox"/>	
FRST 350 or 351 immediately preceding third year	2	<input type="checkbox"/>	

⁵ Specialization specific electives are to be chosen from following: ANTH 201A (3), ANTH 220 (3), CONS 340 (3), CONS 481 (3), FNLG 101B (3), FNSP 210 (3), FRST 339 (3), FRST 386 (3), FRST 439 (3), FRST 470 (3), FRST 490 (3), LAW 200 (3), LAW 395A (2), POLI 316A (3) SOCI 201A (3), SOCI 220 (3), SOCI 360A (3), WOOD 474 (2).

Third Year

Required Courses	Credits	Done	Notes
COMR 329	3	<input type="checkbox"/>	
COMR 398 or 458	3	<input type="checkbox"/>	
COMR 457	3	<input type="checkbox"/>	
COMR 465	3	<input type="checkbox"/>	
CONS 370	3	<input type="checkbox"/>	
FRST 305	3	<input type="checkbox"/>	
FRST 307	3	<input type="checkbox"/>	
FRST 318	3	<input type="checkbox"/>	
FRST 320	3	<input type="checkbox"/>	
FRST 385	3	<input type="checkbox"/>	
FRST 395	3	<input type="checkbox"/>	
WOOD 365	3	<input type="checkbox"/>	
Total Credits	36	<input type="checkbox"/>	
FRST 452 immediately after third year	2	<input type="checkbox"/>	

Fourth Year

Required Courses	Credits	Done	Notes
COMR 473	3	<input type="checkbox"/>	
COMR 493	3	<input type="checkbox"/>	
FRST 415	3	<input type="checkbox"/>	
FRST 422	3	<input type="checkbox"/>	
FRST 423	6	<input type="checkbox"/>	
FRST 444	3	<input type="checkbox"/>	
FRST 497	3	<input type="checkbox"/>	
WOOD 461	3	<input type="checkbox"/>	
Specialization-specific Elective ⁵	6	<input type="checkbox"/>	
Total Credits	33	<input type="checkbox"/>	

⁵ Specialization specific electives are to be chosen from following: ANTH 201A (3), ANTH 220 (3), CONS 340 (3), CONS 481 (3), FNLG 101B (3), FNSP 210 (3), FRST 339 (3), FRST 386 (3), FRST 439 (3), FRST 470 (3), FRST 490 (3), LAW 200 (3), LAW 395A (2), POLI 316A (3) SOCI 201A (3), SOCI 220 (3), SOCI 360A (3), WOOD 474 (2).

Co-op Option:

The co-operative education (co-op) option within Forest Resources Management is a highly competitive program which increases your chances of working in your chosen field. As a co-op student you gain up to 20 months of paid, relevant and invaluable work experience.

Co-op students will extend their degree by one year, completing eight academic terms and five work terms over a five-year period. Below is the standard Forest Resources Management program map for those in co-op:

	Term 1 Sep – Dec	Term 2 Jan – Apr	Summer May – Aug	
Year 1	Basic Sciences, Intro to Biometrics and Computer Applications, Economics, English, Math and Soil Science			
Year 2	Intro to Conservation, Forest Plant Biology, Ecology, Forest Measurement, Forest Operations I, and Climatology.		Co-op 1 (Junior)	Fall Interior Field School*
Year 3	Silviculture I, Entomology, Pathology, Fire Science, Wildlife, Watersheds and the Integrated Field Lab.	Co-op 2 (Intermediate)	Co-op 3 (Intermediate)	
Year 4	Co-op 4 (Intermediate)	Silviculture II, Forest Economics, Forest Measurements, Fish & Aquatic Ecosystems, First Nations, and Forest Operations II.	Spring Coastal Field School*	Co-op 5 (Senior)
Year 5	Social Science, Applied Programming, Visualization, Recreation, and a Graduating Paper	Sustainable Forest Management Integrated Course, Business and Wood Products Manufacturing.		

*The Field Schools are one week in duration. They are scheduled immediately before or after regular classes.

Good to know:

- Undergraduate students must apply to co-op in September of their second year
- You should acquire a driver's license if you do not already have one
- Work in British Columbia, across Canada and around the world
- Be supported by our Co-op Coordinators every step of the way

To learn more about the Co-op Program and how you can apply, contact the Forest Resources Management Co-op Coordinator: **Nazlyn Pirani, Dean's Office - FSC 2615, 604-827-5196, nazlyn.pirani@ubc.ca**

How to successfully complete first year:

1. You must follow your program closely – take the appropriate classes outlined for your degree. The most up-to-date program requirements are always listed on the UBC Calendar at www.students.ubc.ca/calendar (click on 'Faculties, Colleges, and Schools' and then on 'Forestry').
2. You must pass at least 60% of the total number of credits attempted in both Terms 1 and 2 (summer classes are not included).
3. You must also obtain an average grade of at least 60% in both Terms 1 and 2, including any failed courses (summer classes are not included). If your average for Terms 1 and 2 is at least 55%, but less than 60%, you will be placed on academic probation and will be sent a letter outlining additional steps you must take in order to remain in your program. If you do not meet the criteria noted above, you will be asked to leave UBC for at least one year. Following this probationary period, you may re-apply to UBC but you must complete at least 12 credits at a college during your time away.

Professional Designations

Courses toward Registration as a BC Professional Forester

Students who wish to work towards membership in the Associations of BC Forest Professionals (ABCFP) are advised to contact Forestry Student Services. The information is also available on the ABCFP website at www.abcfp.ca. There are also information sessions held throughout the academic year in the Faculty of Forestry – please contact Forestry Student Services for this schedule.

Courses toward Registration as a BC Professional Biologist

Students who wish to work toward registration as a Registered Professional Biologist during their program should contact the College of Applied Biology of BC for course and other membership requirements at their website, www.cab-bc.org. There are also information sessions held throughout the academic year in the Faculty of Forestry – please contact Forestry Student Services for this schedule.

Contacts:

Dr. Peter Marshall
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Peter.marshall@ubc.ca
FSC 2202

Forestry Student Services
Advising Office
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Nazlyn Pirani
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The UBC Calendar is always the most up-to-date resource for degree requirements, <http://www.calendar.ubc.ca/vancouver/index.cfm?tree=12,203,0,0>.