

# Urban Forestry

## Degree Requirements

### First Year

Required Courses	Credits	Done	Notes
APBI 200 Introduction to Soil Science	3	<input type="checkbox"/>	
BIOL 121 <sup>1</sup> Genetics, Evolution and Ecology	3	<input type="checkbox"/>	
CONS 200 Foundations of Conservation	3	<input type="checkbox"/>	
ECON 101 Principles of Microeconomics or FRST 101 <sup>2</sup> Principles of Microeconomics for Forestry and Land and Food Systems	3	<input type="checkbox"/>	
Select one of the following English courses: ENGL 110 Approaches to Literature ENGL 111 Approaches to Non-fictional Prose ENGL 112 Strategies for University Writing WRDS 150 Writing and Research in the Disciplines or FRST 150 <sup>2</sup> Scholarly Writing and Argumentation in Forestry	3	<input type="checkbox"/>	
SOCI 101 Social Interaction and Culture or SOCI 102 Inequality and Social Change	3	<input type="checkbox"/>	
UFOR 100 Greening the City	3	<input type="checkbox"/>	
UFOR 101 Urban Forest Inventory and Assessment	3	<input type="checkbox"/>	
Restricted Electives <sup>3</sup>	6	<input type="checkbox"/>	
<b>Total Credits</b>	<b>30</b>	<input type="checkbox"/>	

<sup>1</sup> Students without Biology 11 or 12 should take BIOL 111 as one of their restricted electives in order to take BIOL 121, a required course for all 1st year BUF students.

<sup>2</sup> Only Land One students are eligible to take FRST 150, FRST 110 and FRST 101

<sup>3</sup> Restricted elective courses must be chosen from: APBI 244/GEOB 204 (3), BIOL 111 (3), FOPR 264 (4), FRST 100 (3), FRST 110<sup>2</sup> (3), FRST 231 (3), FRST 232 (3), FRST 351(2), GEOB 102 (3), GEOB 103 (3), GEOG 250 (3), MATH 100 (3) or MATH 102 (3) or MATH 104 (3) or MATH 190 (3), or other MATH 100 level course.

### Second Year

Required Courses	Credits	Done	Notes
CONS 210 Visualizing Climate Change	3	<input type="checkbox"/>	
ENDS 221 Sustainability by Design	3	<input type="checkbox"/>	
FRST 200 Forest Plant Biology I	3	<input type="checkbox"/>	
FRST 201 Forest Ecology	3	<input type="checkbox"/>	
FRST 210 Forest Plant Biology II	3	<input type="checkbox"/>	
FRST 211 Forest Classification and Silvics	3	<input type="checkbox"/>	
FRST 370 Community Forests and Community Forestry	3	<input type="checkbox"/>	
UFOR 200 Urban Forests and Well-Being	3	<input type="checkbox"/>	
UFOR 201 Introduction to Urban Forest Design	3	<input type="checkbox"/>	
WOOD 225 Communication Strategies	3	<input type="checkbox"/>	
<b>Total Credits</b>	<b>30</b>	<input type="checkbox"/>	

## Third Year

Required Courses	Credits	Done	Notes
CONS 340 Introduction to Geographic Information Systems for Forestry and Conservation	3	<input type="checkbox"/>	Commonly taken in Term 2
CONS 481 Conservation Planning and Wildland Recreation	3	<input type="checkbox"/>	
FRST 320 Abiotic Disturbances: Fire and Climate	3	<input type="checkbox"/>	
SOCI 360 Sociology and Natural Resources or GEOG 310 Environment and Sustainability	3	<input type="checkbox"/>	Commonly taken GEOG 310 in Term 2
UFOR 300 Arboriculture Principles and Practice	3	<input type="checkbox"/>	
UFOR 316 Trees and Shrubs in Landscape	3	<input type="checkbox"/>	
Electives <sup>4</sup>	3	<input type="checkbox"/>	Commonly taken in Term 2
Minor in Urban Greenspace Management Course Pool <sup>5</sup>	12	<input type="checkbox"/>	
Minor in Landscape and Recreation Planning Course Pool <sup>5</sup>	9	<input type="checkbox"/>	
<b>Total Credits</b>	<b>33 or 30</b>	<input type="checkbox"/>	
UFOR 400 Urban Forestry Field School Immediately following third year	3	<input type="checkbox"/>	

<sup>4</sup> Recommended electives: APBI 402 (3), COMM 388 (3), CONS 330 (3), CONS 370 (3), ENDS 220 (3), ENDS 231 (3), ENDS 440 (3), FRST 239 (3) (pre-reqs FRST 231 and FRST 232), FRST 318 (3), FRST 410 (3), FRST444 (3), GEOG 311 (3), PLAN 425 (3) (pre-req one of URST 200, GEOG 350).

<sup>5</sup> Students wishing to complete a minor must take all of the courses from one of the two minor pools listed below. Students who do not wish to select a minor must select 6 courses from either of the pools.

## Minor in Urban Greenspace Management

Required Courses	Credits	Done	Notes
FRST 307 Biotic Disturbances	3	<input type="checkbox"/>	
FRST 385 Watershed Hydrology	3	<input type="checkbox"/>	
FRST 395 Forest Wildlife Ecology and Management	3	<input type="checkbox"/>	
UFOR 403 Ecological Restoration	3	<input type="checkbox"/>	
<b>Total Credits</b>	<b>12</b>	<input type="checkbox"/>	

## Minor in Landscape and Recreation Planning

Required Courses	Credits	Done	Notes
ENDS 110 Measured Architectural Drafting or Equivalent	3	<input type="checkbox"/>	
PLAN 221 City Visuals, or PLAN 321 Indigeneity and the City, or PLAN 425 Urban Planning Issues and Concepts, or GEOG 311 Urban Environments	3	<input type="checkbox"/>	
FRST 490 Visual Resource Management	3	<input type="checkbox"/>	
<b>Total Credits</b>	<b>9</b>	<input type="checkbox"/>	

## Fourth Year

Required Courses	Credits	Done	Notes
CONS 491 Recreation and Tourism Planning	3	<input type="checkbox"/>	
FRST 443 Remote Sensing for Ecosystem Management	3	<input type="checkbox"/>	
LARC 444 Green Network Planning	3	<input type="checkbox"/>	
UFOR 401 Integrated Urban Forestry Capstone Studies	6	<input type="checkbox"/>	
UFOR 402 Urban Forestry Administration, Policy and Law	3	<input type="checkbox"/>	
UFOR 495 Biodiversity in Urban Areas	3	<input type="checkbox"/>	
Electives <sup>6</sup>	3	<input type="checkbox"/>	
Minor in Urban Greenspace Management Course Pool <sup>7</sup>	6	<input type="checkbox"/>	
Minor in Landscape and Recreation Planning Course Pool <sup>7</sup>	9	<input type="checkbox"/>	
<b>Total Credits</b>	<b>30 or 33</b>	<input type="checkbox"/>	

<sup>6</sup> Recommended electives: PLAN 425(3), ENDS 440(3), APBI 402(3), FRST 444(3), CONS 330(3), CONS 370(3), GEOG 311(3), COMM 388(3).

<sup>7</sup> Students wishing to complete a minor must take all of the courses from one of the two minor pools listed below. Students who do not wish to select a minor must select 6 courses from either of the pools.

## Minor in Urban Greenspace Management

Required Courses	Credits	Done	Notes
FRST 305 <sup>8</sup> Silviculture	3	<input type="checkbox"/>	
FRST 411 Complex Adaptive Systems, Global Change Science and Ecological Sustainability	3	<input type="checkbox"/>	
<b>Total Credits</b>	<b>6</b>	<input type="checkbox"/>	

<sup>8</sup> Prerequisite FRST 351(2) or UFOR 400 (3)

## Minor in Landscape and Recreation Planning

Required Courses	Credits	Done	Notes
FRST 492 Environmental Perception or LARC 415 Behavioural Approach to Planting Design	3	<input type="checkbox"/>	
FRST 444 Agroforestry	3	<input type="checkbox"/>	
ENDS 482G Special Topics: Regional Ecosystem (Summer), or Equivalent	3	<input type="checkbox"/>	
<b>Total Credits</b>	<b>9</b>	<input type="checkbox"/>	

# Co-op Option:

The co-operative education (co-op) option within Urban Forestry 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 while earning an average of \$60,000 during your work terms.

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 Urban Forestry program map for those in co-op:

	<b>Term 1 Sep – Dec</b>	<b>Term 2 Jan – Apr</b>	<b>Summer May – Aug</b>
<b>Year 1</b>	Basic Sciences, English, Introduction to Urban Forestry and Conservation, Soil Science, Sociology, Economics		
<b>Year 2</b>	Human Well-Being, Forest Ecology and Biology, Community Forests, Climate Change, Sustainability, Introduction to Planning and Design		<b>Co-op 1 (Junior)</b>
<b>Year 3</b>	Abiotic Disturbances, Geographic Information Systems, Conservation Planning and Wildland Recreation, Trees and Shrubs in Landscape	<b>Co-op 2 (Intermediate)</b>	<b>Co-op 3 (Intermediate)</b>
<b>Year 4</b>	<b>Co-op 4 (Intermediate)</b>	Arboriculture, Landscape Planning and Design, Forests and Society	<b>Field Camp (7 days in April) Co-op 5 (Intermediate)</b>
<b>Year 5</b>	Policy and Law, Green Network Planning, Forests and Society, Recreation and Tourism Planning, Planting Design, Environmental Perceptions and Well-Being, Capstone Studio, Remote Sensing		

## 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 Urban Forestry Co-op Coordinator:

**Nazlyn Pirani**  
 Dean's Office  
 604-827-5196  
 nazlyn.pirani@ubc.ca  
 FSC 2615

# 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](http://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 (ABC FP) are advised to contact Forestry Student Services. The information is also available on the ABC FP website at [www.abcfp.ca](http://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](http://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. Susan Day**  
Program Director  
604-822-6652  
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**Forestry Student Services**  
Advising Office  
604-822-1834  
[forestry.undergrad@ubc.ca](mailto:forestry.undergrad@ubc.ca)  
FSC 2609

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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=12,203,962,1550>