

# 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"/>	Pre-requisite for FRST 200
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: FRST 150 Scholarly Writing and Argumentation in Forestry			Pre-requisite for WOOD 225
WRDS 150B Writing and Research in the Disciplines	3	<input type="checkbox"/>	
ENGL 110 Approaches to Literature			
ENGL 111 Approaches to Non-fictional Prose			
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"/>	Pre-requisite for UFOR 110
UFOR 110 Introduction to Urban Forest Design	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 110 and FRST 101

<sup>3</sup> Restricted elective courses must be chosen from: APBI 244/GEOS 204 (3), BIOL 111 (3), CONS 101 (3), FOPR 264 (4), FRST 100 (3) or FRST 110<sup>2</sup> (3), FRST 231 (3), FRST 232 (3), GEOS 102 (3), GEOS 103 (3), GEOG 250 (3), MATH 100 (3) or MATH 180 (4) or MATH 190 (4), or other MATH 100 level course. CHEM 121/123, and PHYS 100 level (students who are going to the UGM minor may wish to take CHEM 123 or PHYS 100 level as one of the restricted electives). Students who take FRST 231 need to take designated MATH course together as a co-requisite.

### Second Year

Required Courses	Credits	Done	Notes
CONS 210 Visualizing Climate Change	3	<input type="checkbox"/>	
DES 130 Design Culture and Ecology Or DES 230 Sustainability by Design	3	<input type="checkbox"/>	
FRST 200 Forest Plant Biology I	3	<input type="checkbox"/>	Pre-requisite for FRST 210 and UFOR 495
FRST 201 Forest Ecology	3	<input type="checkbox"/>	
FRST 210 Forest Plant Biology II	3	<input type="checkbox"/>	
PLAN 221 City Visuals	3	<input type="checkbox"/>	
UFOR 200 Urban Forests and Well-Being	3	<input type="checkbox"/>	
UFOR 220 Urban Forest Inventory and Assessment	3	<input type="checkbox"/>	
WOOD 225 Communication Strategies	3	<input type="checkbox"/>	

Elective <sup>4</sup>	3	<input type="checkbox"/>	Students planning to follow UGSM minor must take FRST 211 (pre-requisite for FRST 307)
<b>Total Credits</b>	<b>30</b>	<input type="checkbox"/>	

<sup>4</sup> Recommended electives: FRST 231 (Co-requisite: One of MATH 100/180//190), APBI 402 (3), COMR 388 (3), CONS 330 (3), CONS 370 (3), DES 220 (3), DES 200 (3), FRST 239 (3) (pre-reqs FRST 231 and FRST 232), FRST 318 (3), FRST 395 (3), FRST 410 (3), FRST 444 (3), GEOG 351 (3), PLAN 425 (3) (pre-req one of URST 200, GEOG 350), FRE 374 (3)

### Third Year and Fourth Year

Required Courses	Credits	Done	Notes
CONS 340 Introduction to Geographic Information Systems for Forestry and Conservation	3	<input type="checkbox"/>	
CONS 481 Conservation Planning in Practice	3	<input type="checkbox"/>	
FRST 370 Community Forests and Community Forestry or PLAN 321 Indigeneity and the City or CONS 370 Aboriginal Forestry	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 300 Arboriculture Principles and Practice	3	<input type="checkbox"/>	Pre-requisite for UFOR 401 and 402
UFOR 316 Trees and Shrubs in Landscape	3	<input type="checkbox"/>	Pre-requisite for LARC 415 (if following LRP Minor) and co-/pre-requisite for UFOR 300
UFOR 330 Environmental Justice and Urban Green Equity	3	<input type="checkbox"/>	
UFOR 401 Integrated Urban Forestry Capstone Studies	9	<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>5</sup>	6	<input type="checkbox"/>	
Minor Course Pool <sup>6</sup>	18	<input type="checkbox"/>	
<b>Total Credits</b>	<b>63</b>	<input type="checkbox"/>	
UFOR 400 Urban Forestry Field School Immediately following third year	3	<input type="checkbox"/>	Pre-requisite for UFOR 401 and FRST 305

<sup>5</sup> Recommended electives: FRST 231 (3) (Co-requisite: One of MATH 100/180/190), APBI 402 (3), COMR 388 (3), CONS 330 (3), ENDS 220 (DES 220) (3), ENDS 231 (DES 200) (3), FRST 239 (3) (pre-reqs FRST 231 and FRST 232), FRST 318 (3), FRST 410 (3), FRST 444 (3), GEOG 311 (3), GEOG 351 (3), PLAN 425 (3), FRE 374 (3)

<sup>6</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 (18 credits) from either of the pools.

# Minor in Urban Green Space Management

Required Courses	Credits	Done	Notes
FRST 305 <sup>7</sup> Silviculture	3	<input type="checkbox"/>	
FRST 307 <sup>8</sup> Biotic Disturbances	3	<input type="checkbox"/>	
FRST 385 Watershed Hydrology EOSC 329 <sup>9</sup> Groundwater Hydrology or GEOS 305 <sup>10</sup> Introduction to Hydrology	3	<input type="checkbox"/>	
UFOR 420 Ecology of Urban Green Infrastructure	3	<input type="checkbox"/>	
FRST 411 Complex Adaptive Systems, Global Change Science and Ecological Sustainability APBI 402 Sustainable Soil Management or APBI 403 Soil Sampling, Analyses and Data Interpretation	3	<input type="checkbox"/>	
UFOR 403 Ecological Restoration or FRST 320 <sup>8</sup> Abiotic Disturbances: Fire and Climate	3	<input type="checkbox"/>	
<b>Total Credits</b>	<b>18</b>	<input type="checkbox"/>	

<sup>7</sup> Prerequisite FRST 201 (3) and one of FRST 350 (2), FRST 351 (2) and UFOR 400 (3)

<sup>8</sup> Prerequisites: FRST 210 and FRST 211

<sup>9</sup> Prerequisites: One of MATH 101, MATH 103, MATH 105, MATH 121, SCIE 001

<sup>10</sup> Prerequisites: One of GEOS 200, GEOS 204, APBI 244, ATSC 201. (And one of PHYS 100-level or CHEM 123.)

# Minor in Landscape and Recreation Planning

Required Courses	Credits	Done	Notes
CONS 491 Recreation and Tourism Planning	3	<input type="checkbox"/>	
GEOG 311 <sup>12</sup> Urban Environments or PLAN 425 <sup>12</sup> Urban Planning Issues and Concepts	3	<input type="checkbox"/>	
LARC 415 Behavioural Approach to Planting Design or UFOR 420 Ecology of Urban Green Infrastructure	3	<input type="checkbox"/>	
FRST 444 <sup>12</sup> Agroforestry	3	<input type="checkbox"/>	
FRST 490 Visual Resource Management	3	<input type="checkbox"/>	
FRST 492 Environmental Perception or CONS 440 Conservation Decision-Making and Policy	3	<input type="checkbox"/>	
<b>Total Credits</b>	<b>18</b>	<input type="checkbox"/>	

<sup>12</sup> GEOG 311, PLAN 425, and FRST 444 will be used towards the minor and cannot be used towards the Recommended Electives for students in the Minor in Landscape and Recreation Planning.

# 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.

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 (ABCFP) are advised to contact Forestry Student Services. The information is also available on the ABCFP 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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FSC 4615

**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>