

The Degree of Bachelor of Forestry Science (BForSc – 480 points)

These regulations must be read in conjunction with the General Course Regulations for the University.

1. Version

- (a) These Regulations came into force on 1 January 2025.
- (b) This degree was first offered in 1969.

2. Variations

In exceptional circumstances the Amo Matua, Pūhanga | Executive Dean of Engineering or delegate may approve a personal programme of study which does not conform to these Regulations.

3. The structure of the qualification

- (a) Subject to the provisions of the following Regulations, the degree shall consist of:
 - i. a First, Second, Third and Fourth Forestry Year as laid out in the Schedule to these Regulations, and
 - ii. FORE200 BForSc Practical Requirements.

4. Admission to the qualification

- (a) Admission to the qualification requires:
 - i. meeting the Admission Regulations for the University, and
 - ii. approval of the Amo Matua, Pūhanga | Executive Dean of Engineering or delegate.
- (b) A student who has achieved sufficiently high grades in the appropriate NCEA Level 3 subjects (or any other examination approved for the purpose by the Amo Matua, Pūhanga | Executive Dean of Engineering or delegate) may substitute other courses for part of or be exempt from all or part of the First Forestry Year. Such a student is required to have their programme of study approved by the Amo Matua, Pūhanga | Executive Dean of Engineering or delegate prior to enrolment.

5. Subjects

There are no majors, minors or endorsements for this qualification.

6. Time limits

The time limit for this qualification is 10 years.

7. Transfers of credit, substitutions and cross-credits

- (a) This qualification adheres to the Credit Recognition and Transfer Regulations.
- (b) Credit Recognition may be considered for the following cases inter alia:
 - i. A student who has previously qualified at any Aotearoa New Zealand university for the Bachelor of Science (with or without Honours) or for any other bachelor's degree may be exempted from the whole or part of both the First and Second Forestry Examinations. A special programme of study, which could include both Year 2 and Year 3 papers, may be approved by the Amo Matua, Pūhanga | Executive Dean of Engineering or delegate.
 - ii. A student who has qualified for the New Zealand Diploma in Forestry may be exempted from parts of the first three Forestry Examinations but the Amo Matua, Pūhanga | Executive Dean of Engineering or delegate will require a special programme of study of at least one year but normally two years prior to entry into the Fourth year.
 - iii. A student who has qualified with outstanding merit for the New Zealand Certificate in Forestry and who has completed the practical requirements, may, with the approval of the Amo Matua, Pūhanga | Executive Dean of Engineering or delegate, be exempted from the whole or part of the First and Second Forestry Examinations. A special programme of study may be approved by the Amo | Dean. Such students should be adequately prepared in Mathematics and other basic sciences and may be required to undertake additional studies in these subjects before being accepted into the Third Forestry Examination.
 - iv. A student who has qualified with outstanding merit for the New Zealand Certificate in Science may be exempted from all or part of the First Forestry Examination. This regulation does not make provision for credit towards a BSc degree. If sought this must be applied for separately.

- (c) The level and amount of credit granted for any course or courses will be determined by the Amo Matua, Pūhanga | Executive Dean of Engineering or delegate. A special programme of study, which could include both Year 2 and Year 3 papers, may be approved by the Amo Matua, Pūhanga | Executive Dean of Engineering or delegate.

8. Progression

This qualification adheres to the General Regulations for the University, with the following stipulation:

- (a) In some cases, a student who has not passed all of the courses for a given Forestry Year may be approved to repeat the course(s) or enrol in substitutes while completing the following Forestry Year.

9. Honours, Distinction and Merit

This qualification adheres to the General Regulations for the University, with the following stipulations:

- (a) Admission to the BForSc with Honours must be approved by the Amo Matua, Pūhanga | Executive Dean of Engineering or delegate.
- (b) A student may qualify for admission at the end of Year 3 of the BForSc on the basis of grades in courses taken in Years 2 and 3.
- (c) A student for BForSc with Honours will be required to enrol FORE 414 Dissertation in addition to satisfying the requirements of the Fourth Forestry Year. A student whose work has been of a sufficiently high standard shall be recommended for admission to the Degree with First or Second Class Honours. A student obtaining Second Class Honours shall be listed in either of two divisions (Division I or Division II).

10. Exit and Upgrade Pathways to other Qualifications

There are no advancing or exit qualifications for this degree.

11. Transitional Regulations

A student who has commenced a Bachelor of Forestry Science degree before 2015 shall complete the degree by taking courses approved by the Amo Matua, Pūhanga | Executive Dean of Engineering or delegate which are consistent with the regulations of the current Calendar.

Forestry Examinations

12. First Forestry Examination

The courses of the First Forestry Examination shall normally be as follows:

- (1) BIOL112 Ecology, Evolution and Conservation
- (2) FORE111 Trees, Forests and the Environment
- (3) FORE131 Trees in the Landscape
- (4) FORE141 Forest Growth and Measurements
- (5) FORE151 Commercial Aspects of Forestry
- (6) STAT101 Statistics 1
- (7) 30 points in electives from 100-level course from any degree of the University.

Notes:

1. A student enrolling in the First Forestry Examination at Te Whare Wānanga o Waitaha | University of Canterbury must complete FORE111. A student completing the First Forestry Examination at another university should complete FORE102 or 105 as part of their examination, in lieu of FORE111.
2. A student who has failed to gain a pass in all of the courses of the First Forestry Examination may, with the approval of the Amo Matua, Pūhanga | Executive Dean of Engineering or delegate be permitted to repeat the course or courses failed or enrol for approved substitutes concurrently with courses of the Second Forestry Examination.
3. The Chair, Forestry Board of Studies, in consultation with the Amo Matua, Pūhanga | Executive Dean of Engineering or delegate, may modify the First Forestry Examination based on prior learning. That modified programme of study may include FORE105.

13. Second Forestry Examination

The courses of the Second Forestry Examination shall normally be as follows:

- (1) FORE205 Forest Engineering
- (2) FORE215 Introduction to Forest Economics
- (3) FORE218 Forest Biology
- (4) FORE219 Introduction to Silviculture
- (5) FORE222 Biometry 1A
- (6) FORE224 Biometry 1B
- (7) SOIL203 Soil Fertility
- (8) FORE200 BForSc Practical Work

Note: A student who has failed to gain a pass in all of the courses of the Second Forestry Examination may, with the approval of the Amo Matua, Pūhanga | Executive Dean of Engineering or delegate, be permitted to repeat the course or courses failed or enrol for approved substitutes concurrently with courses of the Third Forestry Examination.

14. Third Forestry Examination

The courses of the Third Forestry Examination shall normally be as follows:

- (1) FORE307 Plantation Silviculture
- (2) FORE316 Forest Management
- (3) FORE327 Wood Science
- (4) FORE342 Geospatial Science in Forest Monitoring and Management
- (5) One course from either the Bachelor of Forestry Science 400-level schedule of electives, or one course offered for any other degree at 200-level or above.

Note: A student who has failed to gain a pass in all of the courses of the Third Forestry Examination may, with the approval of the Amo Matua, Pūhanga | Executive Dean of Engineering or delegate, be permitted to repeat the course or courses failed or enrol for approved substitutes concurrently with courses of the Fourth Forestry Examination.

15. Fourth Forestry Examination

The courses for the Fourth Forestry Examination shall normally be as follows:

- (1) FORE419 Management Case Study
- (2) FORE422 Forest Harvest Planning
- (3) FORE449 Environmental Forestry
- (4) Four courses from the 400-level schedule of electives:
 - (i) FORE423 Forest Transportation and Road Design
 - (ii) FORE426 Forest Products Marketing and International Trade
 - (iii) FORE435 Forest Economics 2
 - (iv) FORE436 Forest Tree Breeding
 - (v) FORE437 Advanced Wood Products Processing
 - (vi) FORE443 Biosecurity Risk Management
 - (vii) FORE448 Advanced Remote Sensing in Forestry and Natural Resource Management
 - (viii) FORE475 Independent Course of Study

Notes:

1. FORE422 Forest Harvest Planning is a required course and may be taken in either Year Three instead of an elective or in Year Four.
2. A student is required to complete five electives in total across Years Three and Four from the Forestry Science 400-level schedule.
3. A student's programme of study shall be subject to the approval of the Amo Matua, Pūhanga | Executive Dean of Engineering or delegate.
4. A BForSc student may credit no more than 30 points from other degrees toward BForSc in total in Year Three and Four.

16. Requirements in Subjects in Other Degrees

Except as otherwise provided in these Regulations, a student enrolling for any course of the BForSc degree which is also a course for examination for any other degree shall comply with such of the Regulations for that degree relating to prerequisites, combinations of courses and practical work as are applicable to that course.

Double degrees

17. Cross Credits between BForSc and BCom Degrees

A student for the Degree of Bachelor of Forestry Science who is or has been enrolled for the Degree of Bachelor of Commerce may, in addition to the credit permitted under Credit Recognition and Transfer Regulations, with the approval of the Amo Matua, Pūhanga | Executive Dean of Engineering or delegate, cross credit a 15 points (0.125 EFT) course from the Bachelor of Commerce Schedule in place of any FORE400-level elective.

18. Cross Credits and Substitutes between BForSc and BSc Degrees

- (1) A student for the Degree of Bachelor of Forestry Science who is or has been enrolled for the Degree of Bachelor of Science must, in order to qualify for the award of both degrees:
 - (a) meet all requirements for each degree
 - (b) obtain 180 points above 100-level in courses selected from the Schedule of the Bachelor of Science which have not been credited or used to gain exemption from a course in that degree, of which
 - i. 90 points must be from 300-level courses, and
 - ii. at least 60 points must be from a single subject or as required by the subject major, and
 - iii. the remainder of the points must come from 200 or 300-level courses approved by the Head of the School of Forestry.
- (2) With the approval of the Amo Matua, Pūhanga | Executive Dean of Engineering or delegate a student may substitute additional 200-level courses equivalent to 15 points or 300-level courses equivalent to 15 points from the Bachelor of Science schedule for any FORE400-level elective.