

PG Diploma and Masters Water Resource Management (WRM)

Course Selection for Part 1 (first year)

Both of these degrees can be taken through Canterbury or Lincoln University, but you will choose your courses differently, depending on the university you have enrolled through.

To complete the PG Diploma WRM or Masters WRM Part I, you will need a total of at least **120 points** (at UC you can get dispensation to graduate with 115 points if you end up slightly short, but not at LU). Normally the degrees are constructed as described below. Details of these key courses are on page 2. Additional courses (beyond the core courses and 30 points of electives) can be selected from each university, but must be related to overall degree discipline. You will need approval for the makeup of your program from the Waterways Centre.

Advice regarding course selection is available from the Waterways Postgraduate Coordinator Dr Leanne Morgan (leanne.morgan@canterbury.ac.nz) and Senior Tutor Issie Barrett (issie.barrett@canterbury.ac.nz) at UC, and Crile Doscher (crile.doscher@lincoln.ac.nz) at Lincoln.

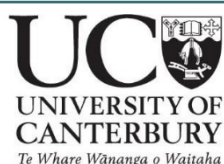


Compulsory core courses: WATR 601, WATR 602, WATR 603 (all 20 pts each)

Plus: At least 30 points from; WATR 605, LWST 602, MAST 603, ERST 621, ERST 630, ERST 632 (all 20 pts each), or you may choose to cross credit one of the following U Canterbury courses: GEOG 404 (30 pts), ENVR 410 (15 pts) or ENGE414 (15 pts). ***It is highly recommended that you take WATR 605 (20 pts) if you have not previously undertaken research and are considering doing a Masters thesis.***

Plus: Another course (if needed) from 600-level courses at Lincoln University, to form a coherent programme of water management-relevant study.

(UC see next page)



Compulsory core courses: WATR 401, WATR 402, WATR 403 (all 15 pts each)

Plus: At least 30 points from WATR 405 (15 pts), GEOG 404 (30 pts) and ENVR 410 (15 pts). You may also choose to cross credit one of the Lincoln university courses: LWST 602, MAST 603, ERST 621, ERST 630, ERST 632 (all 20 pts each). ***It is highly recommended that you take WATR 405 (15 pts) if you have not previously undertaken research and are considering doing a Masters thesis.***

Plus: Other courses (if needed) from 400-level courses at University Canterbury to form a coherent programme of water management-relevant study.

COMPULSORY (CORE) WATR COURSES

| Course Code | Course Name | Semester | Points |
|--------------|---------------------------------------|----------|--------|
| WATR 401/601 | Advanced Water Resources | One | 15/20 |
| WATR 402/602 | Water Quality and Quantity Assessment | Two | 15/20 |
| WATR 403/603 | Water Management, Policy and Planning | Two | 15/20 |

ELECTIVE COURSES LIST (At least 30 points needed from this list)

LU:

| Course Code | Course Name | Semester | Points |
|-------------|---|----------|--------|
| LWST 602 | Advanced Resource Management and Planning Law | Two | 20 |
| MAST 603 | Mana Kaitiaki (Maori Resource Management) | Two | 20 |
| ERST 621 | Principles of Environmental Impact Assessment | Two | 20 |
| ERST 630 | Environmental Policy and Planning | One | 20 |
| ERST 632 | Economics in Environmental Policy | One | 20 |
| ERST 633 | Integrated Environmental Management | Two | 20 |

UC:

| Course Code | Course Name | Semester | Points |
|--------------------|--|-----------------|---------------|
| GEOG 404 | Resource & Environmental Management in New Zealand | Two | 30 |
| ENVR 410 | Concepts and Principles of Environmental Science | One | 15 |
| WATR 404 | Special Topic | Two | 15 |
| ENVR411 | Case studies in Environmental Science | Two | 15 |

Please note that 30 points of elective courses other than those listed above can be approved by the Director of the Waterways Centre if it is a better fit to your overall degree discipline. Please contact Dr Leanne Morgan if you would like to explore this option.

Further Electives

In order to make up the 120 points for Part 1, you may choose further postgraduate courses run by the Waterways Centre:

| Course Code | Course Name | Semester | Points |
|-----------------|------------------------------------|----------|--------|
| WATR 405/605 | Research Methods and Communication | One | 15/20 |
| ENGE414/WATR606 | Applied Hydrogeology | One | 15/20 |

You can also choose from a wide range of courses at either University of Canterbury or Lincoln University.

At University of Canterbury, 400 level courses can be found at these links:

- [Antarctic Studies](#)
- [Biochemistry](#)
- [Biological Sciences](#)
- [Chemical and Process Engineering](#)
- [Chemistry](#)
- [Civil Engineering](#)
- [Engineering Geology](#)
- [Environmental Science](#)
- [Forestry](#)
- [Geography](#)
- [Geology](#)
- [Health Sciences](#)
- [Law](#)
- [Mathematics](#)
- [Natural Resource Engineering](#)
- [Politics](#)
- [Statistics](#)

At Lincoln University, postgraduate (600 level) courses can be found at this link:

<http://www.lincoln.ac.nz/Study/courses/>

In previous years students have been interested in courses within the areas of:

- Environmental Studies
- Ecology
- International Rural Development
- Landscape Architecture
- Law Studies
- Maori Studies
- Psychology
- Social Science
- Soil Science