

## ENROLMENT REQUIREMENTS MASTER OF SUSTAINABLE LAND MANAGEMENT 2023-2024

In order to be eligible to take a course, you usually have to meet certain enrolment requirements. These requirements can be both pre- and corequisites. The requirement may be blocking or advisory in nature. At the VUB, there are 4 types of enrolment requirements:

1. Binding prerequisite
2. Advisory prerequisite
3. Binding corequisite
4. Advisory corequisite

Below you will find the definition of the different types of enrolment requirements. Check out the specific enrolment requirements for your programme on the next page.

### **BINDING PREREQUISITE**

Due to certain risks and safety issues, you can only enrol in course X if you have passed, been exempted from or deliberated for course Y. It is not possible to register for courses if you do not meet the binding prerequisite.

### **ADVISORY PREREQUISITE**

The curriculum council strongly recommends that you only enrol in course X if you have taken course Y. Although this prerequisite is not binding and it is possible to register for course X without having taken course Y, it is your own responsibility not to follow the programme's advice. This means that you do not have the required competencies.

### **BINDING COREQUISITE**

You can only enrol in course X if you are also simultaneously registered for (or have already passed/been exempted from) course Y. In order to achieve the learning results of course X in a safe/good way, a registration for course Y is necessary. It is not possible to register for courses if you do not meet the binding corequisite.

### **ADVISORY COREQUISITE**

The curriculum council strongly recommends that you only enrol in course X if you are simultaneously registered for (or have already passed/been exempted from) course Y. Although this corequisite is not binding and it is possible to register for course X without simultaneously taking course Y, it is your own responsibility not to follow the programme's advice. This means that you do not have the required competencies.

**HAVE A LOOK AT THE ENROLMENT REQUIREMENTS FOR YOUR PROGRAMME**



## Enrolment requirements Master of Sustainable Land Management (120 ECTS-credits) 2023-2024

### YEAR 1 (60 ECTS)

| Course title   | Sem | ECTS | Binding prerequisite | Advisory prerequisite | Binding corequisite | Advisory corequisite | Additional requirements |
|--|-----|------|----------------------|-----------------------|---------------------|----------------------|-------------------------|
| Applied statistics                                   | 1   | 5    |                      |                       |                     |                      |                         |
| Soil physics   | 1   | 5    |                      |                       |                     |                      |                         |
| Land information systems                             | 1   | 5    |                      |                       |                     |                      |                         |
| Environmental impact assessment                      | 1   | 6    |                      |                       |                     |                      |                         |
| Hydrogeology   | 1   | 4    |                      |                       |                     |                      |                         |
| Engineering applications in hydrology                | 1   | 5    |                      |                       |                     |                      |                         |
| Climate change                                       | 2   | 4    |                      |                       |                     |                      |                         |
| Applied geophysics                                   | 2   | 5    |                      |                       |                     |                      |                         |
| Scientific communications on physical land resources | 2   | 4    |                      |                       |                     |                      |                         |
| Introduction to geotechnics                          | 2   | 3    |                      |                       |                     |                      |                         |
| Sustainable development                              | 2   | 5    |                      |                       |                     |                      |                         |
| Remote sensing                                       | 2   | 5    |                      |                       |                     |                      |                         |
| Water quality assessment                             | 2   | 4    |                      |                       |                     |                      |                         |

### YEAR 2 (60 ECTS)

| Course title   | Sem | ECTS | Binding prerequisite | Advisory prerequisite | Binding corequisite | Advisory corequisite | Additional requirements                    |
|--|-----|------|----------------------|-----------------------|---------------------|----------------------|--|
| <b>Compulsory courses (50 ECTS)</b>                          |     |      |                      |                       |                     |                      |  |
| Urban hydrology and hydraulics                               | 1   | 5    |                      |                       |                     |                      |  |
| Water resources management 2: EU and international framework | 1   | 5    |                      |                       |                     |                      |  |
| Surface water modelling                                      | 1   | 5    |                      |                       |                     |                      |  |
| Integrated project   | 2   | 5    |                      |                       |                     |                      |  |
| Master thesis  | 1+2 | 30   |                      |                       |                     |                      | Only for students who are able to graduate |
| <b>Elective courses (10 ECTS)</b>                            |     |      |                      |                       |                     |                      |  |
| Soil erosion control: principles and practice                | 1   | 5    |                      |                       |                     |                      |  |
| Geostatistics  | 1   | 5    |                      |                       |                     |                      |  |
| Land evaluation  | 1   | 5    |                      |                       |                     |                      |  |
| Soil degradation   | 1   | 5    |                      |                       |                     |                      |  |
| Environmental programming                                    | 1   | 4    |                      |                       |                     |                      |  |
| Groundwater modelling  | 1   | 5    |                      |                       |                     |                      |  |
| Land-climate dynamics  | 1   | 5    |                      |                       |                     |                      |  |
| Water and land interaction and transformation                | 1   | 5    |                      |                       |                     |                      |  |
| EUTOPIA learning unit - Sustainable mobility and logistics   | 1   | 6    |                      |                       |                     |                      |  |
| Civil engineering hydraulics                                 | 1   | 4    |                      |                       |                     |                      |  |
| Irrigation and drainage                                      | 1   | 5    |                      |                       |                     |                      |  |
| Mineral resources, economy and environment                   | 1   | 6    |                      |                       |                     |                      |  |
| Natural risk management                                      | 2   | 3    |                      |                       |                     |                      |  |

|                                     |     |   |  |  |  |  |  |
|-------------------------------------|-----|---|--|--|--|--|--|
| Decision support for sustainability | 2   | 6 |  |  |  |  |  |
| Landscape ecology                   | 2   | 5 |  |  |  |  |  |
| Clay mineralogy                     | 2   | 5 |  |  |  |  |  |
| Internship                          | 1+2 | 5 |  |  |  |  |  |