Screening form

MASTER OF BIOSCIENCE ENGINEERING:

SUSTAINABLE URBAN BIOSCIENCE ENGINEERING

*This form should be used and all parts of this form should be duly completed. Supply all supporting documents through Mobility Online. Applications will be screened just once. Only complete applications will be forwarded to the Board of Admission.*

# Personal information

*The form of your name should correspond exactly with your university degree and your application details in Mobility Online.*

|  |
| --- |
| Family name: Insert text here |
| First name(s): Insert text here |
| Date of Birth (dd/mm/yyyy): Insert text here |

# Scientific and engineering background

*The Master of Bioscience Engineering: Sustainable Urban Bioscience Engineering is open to applicants*

* *holding an academic Bachelor’s degree in engineering (bioscience engineering, agricultural engineering, environmental engineering, or any equivalent engineering degree); or other Bachelor’s or Master’s degrees encompassing thorough coursework in mathematics, statistics, physics, chemistry, and basic engineering courses; and*
* *with in-depth knowledge of at least one of the following two domains (i) earth and environmental sciences, and/or (ii) biology and ecology.*

*The Board of Admission will verify that you have sufficient prior knowledge to cover both points above. Please complete the tables, indicating the names and description of courses with equivalent content that you have followed. List as many courses as appropriate/necessary. Applications not containing appropriate descriptions will not be processed.*

***EXAMPLE***

|  |
| --- |
| *Course name:* ***Ecology*** |
| |  |  |  |  | | --- | --- | --- | --- | | *Year: 1st Bachelor* | *Semester: 1* | *Credits: 6* | *Grade: 14/20 (or B+)* | |
| *Keywords: environment; climate; Photosynthesis; Plant water relations; Energy balance; Nutrient and mineral cycle …* |
| *Course description:*  *Introduction to ecology. Introduction to energy balance, water balance, climate and other abiotic aspects. Focus on relationships of plants and animals with their environment. Focus on populations (general characteristics, demography, population regulation …) and ecosystem functions. …* |

## **Engineering background**

## **Mathematics**

*(Copy table as often as necessary.)*

|  |  |  |  |
| --- | --- | --- | --- |
| Course name: Insert text here | | | |
| Year: Insert text here | Semester: Insert text here | Credits: Insert text here | Grade: Insert text here |
| Keywords: Insert text here | | | |
| Course description: Insert text here | | | |

## **Statistics**

*(Copy table as often as necessary.)*

|  |  |  |  |
| --- | --- | --- | --- |
| Course name: Insert text here | | | |
| Year: Insert text here | Semester: Insert text here | Credits: Insert text here | Grade: Insert text here |
| Keywords: Insert text here | | | |
| Course description: Insert text here | | | |

## **Physics**

*(Copy table as often as necessary.)*

|  |  |  |  |
| --- | --- | --- | --- |
| Course name: Insert text here | | | |
| Year: Insert text here | Semester: Insert text here | Credits: Insert text here | Grade: Insert text here |
| Keywords: Insert text here | | | |
| Course description: Insert text here | | | |

## **Chemistry**

*(Copy table as often as necessary.)*

|  |  |  |  |
| --- | --- | --- | --- |
| Course name: Insert text here | | | |
| Year: Insert text here | Semester: Insert text here | Credits: Insert text here | Grade: Insert text here |
| Keywords: Insert text here | | | |
| Course description: Insert text here | | | |

1. Other relevant science courses

*(Copy table as often as necessary.)*

|  |  |  |  |
| --- | --- | --- | --- |
| Course name: Insert text here | | | |
| Year: Insert text here | Semester: Insert text here | Credits: Insert text here | Grade: Insert text here |
| Keywords: Insert text here | | | |
| Course description: Insert text here | | | |

## **Engineering**

*(Copy table as often as necessary.)*

|  |  |  |  |
| --- | --- | --- | --- |
| Course name: Insert text here | | | |
| Year: Insert text here | Semester: Insert text here | Credits: Insert text here | Grade: Insert text here |
| Keywords: Insert text here | | | |
| Course description: Insert text here | | | |

1. In-depth knowledge in (i) earth and environmental sciences and/or (ii) biology and ecology

## **Earth and environmental sciences**

*(Copy table as often as necessary.)*

|  |  |  |  |
| --- | --- | --- | --- |
| Course name: Insert text here | | | |
| Year: Insert text here | Semester: Insert text here | Credits: Insert text here | Grade: Insert text here |
| Keywords: Insert text here | | | |
| Course description: Insert text here | | | |

## **Biology and ecology**

*(Copy table as often as necessary.)*

|  |  |  |  |
| --- | --- | --- | --- |
| Course name: Insert text here | | | |
| Year: Insert text here | Semester: Insert text here | Credits: Insert text here | Grade: Insert text here |
| Keywords: Insert text here | | | |
| Course description: Insert text here | | | |

1. Grading schemes

If the grades are represented by letters, please provide us with a conversion scheme to numerical grades. Otherwise erase/ignore this part.

A+ = … (example: 85-100%)

A- = … (example: 75-85%)

B+ = … (example: 65-75%)

…

|  |
| --- |
| Insert text here |

# Computer skills

Below is a list of computer skills that we expect you to have when you start the Master program. Please confirm that you know how to:

create text documents in order to draft reports. This can be in the word editor of your choice. (MS Word or similar);

use spreadsheets in order to process experimental data: calculating averages, correlations,... of a set of numbers, create graphs,... This can be in the computer program of your choice. (MS Excel or similar)

present your work to an audience via appropriate electronic tools. (MS PowerPoint or similar)

*Write 'Read and approved' in the box below the list of topics if you understand that you have to train yourself in the listed skills if needed.*

|  |
| --- |
| Insert text here |

# Rename your document

*In order to make sure that the version will not be altered by intention or accident please export it to the pdf format and rename it to 'yourname\_myapplication.pdf' (example: john\_doe\_myapplication.pdf).*

# Declaration by the applicant

I hereby certify that the information provided in this form is accurate and complete. I understand that inaccurate, incomplete or illegible information may affect my application. Misrepresentation of this information is ground for admission denial or even expulsion from the University of Antwerp.

Date: Insert text here

Place: Insert text here

Signature:



**Privacy**The University of Antwerp Faculty of Science is responsible for the processing, storage and management of these personal data. In compliance with the law of December 8th 1992 on the safeguarding of personal privacy, the data which are entered are only used for administrative purposes and will not be passed on to third parties. After a simple request and without further costs the user can consult these data at all times. If the user wishes so, they will be corrected within a reasonable span of time and without further costs.