

Programme-specific part of the Education and Examination Regulations 2021-2022

Graduate School of Geosciences: Master's degree programme in Science & Innovation

The Master's degree programme *Science & Innovation* offers the programmes *Innovation Sciences* and *Sustainable Business and Innovation*.

Art. 2.1 – Admission requirements

1. The following conditions for admission apply:

Admission to the **Innovation Sciences** programme is granted to students with a Dutch or foreign diploma confirming that they have acquired the knowledge, insight and skills at the university Bachelor's level.

Furthermore, students need to prove that they have gained the following specific knowledge, insight and skills:

- a) knowledge in the field of *Science and Innovation Management, Natural Sciences or Life Sciences* at the advanced level of the major *Science and Innovation Management, Natural Sciences or Life Sciences* at Utrecht University (or equivalent to that level)
- b) knowledge of emerging technology issues and complex multidisciplinary problems
- c) insight into *Science and Innovation Management, Natural Sciences or Life Sciences* at the advanced level of the major *Science and Innovation Management, Natural Sciences or Life Sciences* at Utrecht University (or equivalent to that level)
- d) academic and research skills at the advanced level of the major *Science and Innovation Management, Natural Sciences or Life Sciences* at Utrecht University (or equivalent to that level)

Admission to the **Sustainable Business and Innovation** programme is granted to students with a Dutch or foreign diploma confirming that they have acquired the knowledge, insight and skills at the university Bachelor's level. Furthermore, students need to prove that they have gained the following specific knowledge, insight and skills:

- a) knowledge in the field of *Science and Innovation Management, Environmental Sciences, Environmental Studies or Economics* at the advanced level of the major *Science and Innovation Management, Environmental Sciences, Environmental Studies or Economics* at Utrecht University (or equivalent to that level)
- b) knowledge of sustainable development and innovation sciences
- c) basic knowledge of natural sciences at Bachelor's level, including *Mathematics* and/or *Chemistry* and/or *Physics*
- d) insight into *Science and Innovation Management, Environmental Sciences, Environmental Studies or Economics* on the advanced level of the major *Science and Innovation Management, Environmental Sciences, Environmental Studies or Economics* at Utrecht University (or equivalent to that level)
- e) academic and research skills at the advanced level of the major *Science and Innovation Management, Environmental Sciences, Environmental Studies or Economics* at Utrecht University (or equivalent to that level)

2. Students will be selected based on objective standards regarding:
 - a) their previous academic performance in a relevant subject area
 - b) relevant skills
 - c) their command of the language or languages used in the programme

This information is used to consider whether the student concerned will be able to complete the Master's Programme successfully within the set time period.

The admission requirements have been formulated clearly and transparently so that candidates know in advance what requirements must be met in order to qualify for selection.

Art. 3.1 – Aim of the degree programme

1. The degree programme aims to:
 - provide students with specialised knowledge, skills and understanding in the field of *Science and Innovation* so that they can achieve the final qualifications as mentioned in Article 3.1.2
 - prepare students for professional employment in one or more disciplines of *Science and Innovation*
 - prepare students for training as researchers in the field of *Science and Innovation*
2. Graduates in *Science and Innovation*
 1. have advanced knowledge and understanding of the dynamics and challenges of *Science and Innovation* in the context of both organisations and society at large
 2. can conduct research on the dynamics and challenges of *Science and Innovation* in a creative and independent way

3. can apply knowledge and research methods as well as problem-solving abilities in broader contexts related to the dynamics and challenges of *Science and Innovation*
4. have insight into the complex interactions between science, innovative technology and society and are able to reflect critically on the roles of science and technology in society
5. have professional and academic skills, particularly in relation to the dynamics and challenges of *Science and Innovation*
6. can apply knowledge and understanding in such a way that they demonstrate a professional approach to their work
7. can communicate their conclusions, as well as the knowledge, reasons and considerations underlying these conclusions, to an audience of specialists and non-specialists alike

More programme-specific qualifications are listed in the prospectuses of the different programmes.

Art. 3.6 – Components of the Master’s programme

1. Appendices 1 and 2 describe the required courses of the programmes, including the course load per course.
2. Students may choose optional courses, but these need to be approved by the Board of Examiners. The optional courses are listed in Appendices 1 and 2.
3. The prospectus gives a detailed description of the content and type of courses in the different programmes, including prior knowledge that is required to participate successfully.

Art. 4.2 – Course admission requirements

The Executive Board decides the order in which the required components of a Master’s degree programme must be completed. This will be published in the prospectus.

art. 4.7 –Evaluation of the quality of education

1. The Director of Education monitors the quality of education, and ensures that both the courses and the curriculum are evaluated. The Director takes into consideration the advice and suggestions given by the Education Committee regarding improving and ensuring the quality of the programme.
2. Students are informed of the outcomes of the course and curriculum evaluations.

Appendices

Appendix 1: Exam programme Innovation Sciences

1. Compulsory components (105 EC)

-	Innovation Management	7.5 EC
-	Innometrics	7.5 EC
-	Quantitative Innovation Analytics	7.5 EC
-	Innovation Systems and Processes	7.5 EC
-	Societal Challenges and Innovation Theory	7.5 EC
-	Qualitative Innovation Analytics	7.5 EC
-	Consultancy Project IS and SBI	15 EC
-	Master's thesis	45 EC

2. Optional components (15 EC)

Students should select optional courses for a total of 15 EC.

3. Conversion of former courses

Old course	New course 2021-2022
Consultancy Project IS (GEO4-2252)	Consultancy Project IS and SBI (GEO4-2007)

Appendix 2: Exam programme Sustainable Business & Innovation

1. Compulsory components (105 EC)

-	Innovation Management	7.5 EC
-	Understanding and Assessing Technologies for Sustainability	7.5 EC
-	Governance and Change Management for Sustainability	7.5 EC
-	Toolbox 1: Environmental assessment and management approaches	7.5 EC
-	Toolbox 2: CS implementation: theory and practice	7.5 EC
-	Sustainable Business Research Methods	7.5 EC
-	Consultancy Project IS and SBI	15 EC
-	Master's thesis	45 EC

2. Optional components (15 EC)

Students should select optional courses for a total of 15 EC.

3. Conversion of former courses

Old course	New course 2021-2022
Qualitative Innovation Analytics (GEO4-2270)	Sustainable Business Research Methods (GEO4-2609)
Business and Sustainability Challenges (GEO4-2601)	Innovation Management (GEO4-2268)
Consultancy Project SBI (GEO4-2605)	Consultancy Project IS and SBI (GEO4-2007)