

BSc Environmental Sciences

Study Programme



Period	1 Sep-Oct	2 Nov-Dec	3 Jan	4 Feb	5 Mar-Apr	6 May-Jun
Year 1	Foundational Skills for Environmental Research	Sustainable Solutions within Planetary Boundaries?	Sustainability Transitions: Past, Present, and Future	Mathematics Applied: Analysis	Water Systems: Analysis	Modelling Pollution in Environmental Systems
	Math Applied: Introduction OR Statistics 1	General Chemistry 1	Water Systems: Exploration	General Chemistry 2	Statistics 2	Principles of Soil Processes
Year 2	Ecology 1	Systems of Change: Environmental Policy, Economics, and Law	Introduction Geo-Information Science	Specialisation course	Specialisation course	International Environmental Projects in Practice
	BES Skills Academy	System Earth: Climate and Global Change	Microbiology & Toxicology			
	Air Quality					
Year 3	Specialisation course	Specialisation course	BSc Thesis	Free choice		
	Specialisation course	BSc Thesis				

■ Compulsory courses
 ■ Specialisation courses and thesis
 ■ Free choice (courses, minor or internship)

BSc Environmental Sciences

Study Programme | Specialisations



A Environmental Policy, Economics and Law

- ✓ Develop and analyse policies, laws and economic models
- ✓ Design decision-making processes for sustainable solutions

Examples of courses

- International and EU Environmental Law
- Economics and Governance of Energy Transitions

B Environmental Quality and Ecosystems

- ✓ Analyse causes and effects with regard to environmental quality
- ✓ Identify options for resilient ecosystems

Examples of courses

- From Synergies to Trade-offs
- Environmental Contamination and Toxicology
- Climate Change Ecology

C Environmental Technology for Circularity

- ✓ Develop and evaluate innovative technologies and concepts
- ✓ Recover and reuse valuable natural resources

Examples of courses

- Renewable Energy Technologies
- Water Treatment
- Environmental Process Engineering

D Interdisciplinary Environmental Challenges

- ✓ Deepen interdisciplinary environmental sciences approach
- ✓ Integrate different perspectives to solve environmental challenges

Examples of courses

- From Synergies to Trade-offs and
- a combination of social and natural sciences courses