WAGENINGEN
UNIVERSITY & RESEARCH

BSc Environmental Sciences

Study Programme

Period	1	2	3	4	5	6
Year 1	Foundational Skills for Environmental Research	Sustainable Solutions with in Planetary Boundaries?	Sustainability Transitions: Past, Present, and Future	Mathematics Applied: Analysis	Water Systems: Analysis	Modelling Pollution in Environmental Systems	Systems Approach for Socio-environmental Challenges
	Math Applied: Introduction OR Statistics 1	General Chemistry 1	Water Systems: Exploration	General Chemistry 2	Statistics 2	Principles of Soil Processes	Introduction Environmental Technology	Global Production-Consumption Systems and the Environment
Year 2	Ecology 1	BES Skills Academy	Air Quality	Systems of Change	System Earth: Climate and Global Change	Introduction Geo-Information Science	Specialisation course	Microbiology & Toxicology	International Environmental Projects in Practice
Year 3	Specialisation course	Specialisation course	Specialisation course	Specialisation course	BSc Thesis	Free choice	Free choice	Free choice	Free choice	Free choice

Compulsory courses

Specialisation courses and thesis

Free choice (courses, minor or internship)

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