

# Curriculum of the Nature Conservation Engineering MSc Program

## First Semester

Course Name	Type*	Evaluation†	Credit Points	Lecture Hours/Week	Practice Hours/Week
Environmental Ecology	A	E	4	2	1
Environmental Fluid Mechanics	A	MTG	3	1	2
Geographic Information Systems	A	E	3	1	2
Environmental Chemistry	A	E	4	2	1
Landscape History	A	MTG	3	2	0
English for Special Purposes: Environmental Engineering I	K	S	—	0	2
Elective (see below)	B		7		
	C		3		

## Second Semester

Course Name	Type*	Evaluation†	Credit Points	Lecture Hours/Week	Practice Hours/Week
Eco-Energetics	A	MTG	3	2	1
Environmental Impact Assessment and Performance Evaluation	A	E	4	2	1
Global Environmental Systems	A	E	3	2	0
Chemometrics	A	E	4	2	2
Remote Sensing for Environmental Applications	A	E	3	1	1
English for Special Purposes: Environmental Engineering II	K	S	—	0	0
Elective (see below)	B		7		
	C		3		

### Third Semester

Course Name	Type*	Evaluation†	Credit Points	Lecture Hours/Week	Practice Hours/Week
Landscape Management and Protection	A	MTG	4	1	2
Climate Risk Assessment	A	E	4	2	1
Applied Environmental Statistics	A	MTG	2	0	2
Treatment Wetlands	A	MTG	2	1	1
Complex Project Work	B	MTG	6	1	2
Thesis Writing	B	MTG	15	0	2
Professional Practice	K	S	—		

### Fourth Semester

Course Name	Type*	Evaluation†	Credit Points	Lecture Hours/Week	Practice Hours/Week
Ecotoxicology	A	E	3	2	0
European Environmental Law and Politics	A	E	3	2	0
Environmental and Quality Management Systems	A	MTG	3	2	0
Environmental Modelling	A	MTG	3	1	2
Biological Survey and Monitoring	A	MTG	3	1	1
Life Cycle Assessment	A	MTG	3	1	1
Thesis Writing	B	MTG	15	0	

Elective Courses	Type*	Evaluation†	Credit Points	Lecture Hours/Week	Practice Hours/Week
Landscape and Rural Development	B	MTG	3	2	0
Water Resources Engineering	B	MTG	4	1	2
Analytical Chemistry	B	MTG	4	2	1
Antioxidants in Natural Environment	B	MTG	3	2	0
Applied Soil Science	B	MTG	3	1	1
Soil Protection and Conservation	B	MTG	3	1	1
Agroforestry for Sustainability	B	MTG	3	2	0
Principles of Forest Protection	B	MTG	4	2	1
Protected Forests	B	MTG	4	1	3
Invasion Biology	C	MTG	3	2	1
Biotechnological Techniques of Waste Management	C	MTG	3	2	0
Project Management	C	MTG	3	2	0

**Notes:**

- *Course Type:*
  - A = Compulsory
  - B = Elective in Engineering Field
  - C = Elective
  - K = Criteria (No Credit)
- *†Evaluation:*
  - E = Exam
  - MTG = Mid-term Grade
  - S = Signature