

Environmental Engineering study plan

CPs	1st Semester	2nd Semester	3rd Semester	4th Semester	5th Semester	6th Semester	7th Semester	8th Semester		
1	MATH110 Mathematics I 6 CP (6 UoL)	MATH120 Mathematics II 8 CP (8 UoL)	MECH210 Engineering Mechanics II (Dynamics) 4 CP (4 UoL)	EEEEJ221 Measurement, Instrumentation and Control Basics 4 CP (4 UoL)	ECOL310 Geocology 4 CP (4 UoL)	ENVE320 Wastewater Treatment 6 CP (6 UoL)	ENVE410 Air Pollution 6 CP (6 UoL)	ENVE420 Solid Waste Technologies 6 CP (6 UoL)		
2										
3										
4										
5										
6										
7	CHEM110 Chemistry 5 CP (3 UoL, 2 UoL R)	MATS120 Materials Science 4 CP (4 UoL)	THER210 Engineering Thermodynamics 4 CP (4 UoL)	FLME220 Fluid Mechanics 4 CP (4 UoL)	RMPE310 Mechanical Process Engineering I 4 CP (4 UoL)	ENVE330 Soil Science 6 CP (6 UoL)	ENVE411 Water Supply 8 CP (8 UoL)	ENVE421 Environmental Modelling 4 CP (4 UoL)		
8										
9										
10										
11	GEOS110 Introduction to Geosciences 4 CP (4 UoL)	MECH120 Engineering Mechanics I (Statics) 4 CP (4 UoL)	DESN210 Engineering Design 4 CP (4 UoL)	RREC220 Raw Materials & Recycling 4 CP (4 UoL)	RMPE311 Properties of Rock 4 CP (4 UoL)			EEEEJ321 Renewable Energy System 4 CP (4 UoL)	STWR410 Scientific Writing 4 CP (4 UoL)	Finpal Study Project 6 CP (6 UoL)
12										
13										
14										
15	EEEJ111 Algorithm and Programming 4 CP (4 UoL)	PHYS120 Physics 6 CP (1 UoL, 1 UoL R, 4 UoL Lab)	ELEC210 Introduction to Electrical Engineering 4 CP (4 UoL)	SCIM220 Scientific Methods 2 CP (2 UoL)	GIS310 GIS 4 CP (4 UoL)	RMPE321 Mining and Environment 4 CP (4 UoL)	STWR410 Scientific Writing 4 CP (4 UoL)	Bachelor Thesis + Colloquium 12 CP		
16										
17										
18										
19	ENSO110 Engineer in Society 2CP (2 UoL)	CHEM120 Chemistry Lab 3 CP (3 UoL)	MINE210 Introduction to Mining 4 CP (4 UoL)	HSE220 Health-Safety-Environment 4 CP (4 UoL)	MBIO310 Introduction to Microbial Biotechnology 4 CP (4 UoL)	Industrial Internship + Reflection 10 CP 10 Weeks				
20										
21										
22										
23	PROJ110 Engineering Project 2 CP (2 UoL)	IEMB120 Introduction to Engineering Management & BA 4 CP (4 UoL)	ECON210 Introduction to Economics 4 CP (4 UoL)	INTR220 Basic Internship 2 CP	ENVE311 Climate Change 4 CP (4 UoL)					
24										
25										
26										
27	ENGL110 Technical English 4 CP (4 UoL)	INCC120 Intercultural Comm & Competence 2 CP (2 UoL)								
28										
29										
30										
31										
Total CP	29	31	28	26	28	30	18	28		

Legend:	CP =	Credit Points	Fundamentals	Specialization	General	Foreign Languages	Internship / Thesis	Electives
	UoI =	Unit of Instruction (45 min. per unit)		UoILab =	Unit of Instruction Laboratory			
	UoIL =	Unit of Instruction Lecture		UoIFt =	Unit of Instruction Field trip			
	UoIR =	Unit of Instruction Recitation						
**Electives: Every 3rd and 4th year student can choose professional engineering modules from the other programs as electives. Presupposed for participation and recognition of the elective module is that the required prerequisites of the chosen elective module already have been passed. Furthermore, the adjustment of the lecture times for attendance in the chosen elective modules can only be made by ASA in exceptional cases. The student must choose his subjects in such a way that participation in his program-related modules is not endangered or restricted.								
**** The total amount of CP's from Electives has to be minimum 24.								