

	PERIOD 1			PERIOD 2			PERIOD 3			PERIOD 4		
Compulsory courses 38 EC (Geo-engineering + Ethics)												
YEAR 1	AES1630	Engineering Geology	4	CIE4361	Behaviour of Soils and Rocks	6	AESM1700	Consolidation of Soils	3	CIE4365-16	Modelling Coupled Processes for Engineering Applications	5
	CIE5320	Site Characterisation, Testing and Physical Modelling	6	CIE4510*	Climate change: Science and Ethics*	4	CIE4366	Numerical Modelling in Geo-Engineering	6	CIE4395	Risk and Variability in Geo-Engineering	4
										WM0312CIE*	Philosophy, Technology Assessment and Ethics for CT*	4
Pool of Geo-engineering electives (22 EC)												
YEAR 1 or 2	CIE4353	Continuum Mechanics	-	CIE4353	Continuum Mechanics	6	CIE4420***	Geohydrology 1***	4	CIE4362	Soil-structure Interaction	3
	AES1730**	Introduction to Geotechnical Engineering**	3	CIE5741	Trenchless Technologies	4	OE44030	Offshore Geotechnical Engineering	4	CIE5340	Soil dynamics	3
	CIE4363	Deep Excavations	4	AES1720-11	Rock Mechanics Applications	5	CIE4780	Trending Topics in Geo-Engineering	4	CIE4367-16	Design of Embankments	3
	CIE5305	Bored and Immersed Tunneling	4	AES1640-11	Environmental Geotechnics	4						
	AES1501	Methods of Exploration Geophysics	3	CIE4390	Geo-risk Management	3						
	AESM2901-16^	Geoscience and Engineering fieldwork^	10									
Free electives (20 EC)												
YEAR 1 or 2		any MSc courses^^	10		any MSc courses^^	10		any MSc courses^^			any MSc courses^^	10
	CIE4040-09/ AES0404-10	Internship	10	CIE4040-09/ AES0404-10	Internship	10	CIE4040-09/ AES0404-10	Internship		CIE4040-09/ AES0404-10	Internship	10
	CIE5050-09/ AES4011-10	Additional graduation work	10	CIE5050-09/ AES4011-10	Additional graduation work	10	CIE5050-09/ AES4011-10	Additional graduation work		CIE5050-09/ AES4011-10	Additional graduation work	10
	CIE4061-09	Multidisciplinary project	10	CIE4061-09	Multidisciplinary project	10	CIE4061-09	Multidisciplinary project		CIE4061-09	Multidisciplinary project	10
MSc graduation thesis (40 EC)												
YEAR 2				CIE5060-09/ AESM2606	MSc thesis		CIE5060-09/ AESM2606	MSc thesis		CIE5060-09/ AESM2606	MSc thesis	40

Colour code	
	Environmental geo-engineering/ Engineering Geology
	Geomechanics
	Geotechnical engineering
	Professional practice

* Choose either CIE4510 or WM0312CIE
Students holding a AES BSc with an ethics course from TU Delft may replace this Ethics course by an elective

** AES1730 is compulsory for students without soil mechanics and geotechnical engineering background. The course cannot be taken by students who passed CTB2310 (Soil Mechanics) or equivalent.

*** CIE4420 is compulsory for students who have not taken Mechanics and Transport by Flow in Porous Medium (CTB3390 or AESB3340) or equivalent in their BSC programme.
The course cannot be taken by students who passed CTB3390, AESB3340, or equivalent.

^ AESM2901-16 to be taken after CIE5320 and AES1630 have been passed.

^^ See MSc regulation document.