

MSC-PROGRAMME IN COASTAL AND MARINE CIVIL ENGINEERING

This Master of Science degree programme in Coastal and Marine Civil Engineering is an integrated, two year study programme for Norwegian and foreign students. Thus the programme is designed according to the current framework for engineering graduate studies at NTNU.

Norwegian students can enrol in the full M.Sc programme, or select individual courses from the programme in their study curriculum.

Foreign students could be admitted through the Quota Programme, with participants from developing countries and from Central and Eastern Europe. Students with other sources of financing might also be admitted to the full M.Sc programme.

Foreign exchange students could select individual courses from the programme, provided they have the necessary qualifications for the course.

The first year of the study consists of basic courses on graduate level. The second year provides a specialization in the following subjects:

- Port Engineering
- Coastal Engineering
- Marine Civil Engineering
- Arctic Offshore Engineering
- Marine Geotechnics

In addition to the core engineering subjects in the programme, course offers are included from other Master degree programmes at NTNU:

- M.Sc in Urban Ecological Planning
- M.Phil in Social Change

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Term 1, 2, 3 and 4

Ex	Subject no	Subject title	Note	Autumn			Spring			Cr	Exam	Specialization				
				F	Ø	S	F	Ø	S			1	2	3	4	5
1h	TBA4265	MARINE PHYS ENV		3	2	7				7,5	x	o	o	o	o	o
1h	TBA4305	TRANSPORT SYSTEMS	1	3	3	6				7,5	x	v	v	v	v	v
1h	TBA5100	THEORETICAL SOIL MEC		3	2	7				7,5	x	o	o	o	o	o
1h	TGB4235	SPREADING POLLUTION	1	3	2	7				7,5	x	v	v	v	v	v
1h	TKT5100	DUR/MAINT/REP CONCR		3	2	7				7,5	x	o	o	o	o	o
1v	-	EXP IN TEAM INT PROJ						5	7	7,5	-	o	o	o	o	o
1v	TBA4115	GEOTECH STRUCTURES	2				3	3	6	7,5	x	v	v	v	v	o
1v	TBA4145	PORT/COAST FACILITY	2				3	2	7	7,5	x	v	o	v	v	v
1v	TBA4270	COASTAL ENGINEERING	2				3	2	7	7,5	x	o	v	v	v	v
1v	TBA4275	DYNAMIC RESPONSE	2				3	2	7	7,5	x	v	v	o	o	v
1v	TBA4310	TRANSPORT TECHNOLOGY					3	3	6	7,5	x	v	v	v	v	v
1v	AAR4230	PLAN IN DEV COUNTRY	3,4				3	1	8	7,5	x	v	v	v	-	v
		Total weighting compulsory course								37,5						
2h	TBA5700	COASTAL/MAR ENG SPEC	5			36				22,5	x	o	o	o	o	o
2h	-	ARCTIC OFFSHORE ENG	6							7,5	x	-	-	-	o	-
2h	GEOG3506	GEO HEALTH AND DEV	7	2	1	9				7,5	x	v	v	v	-	v
2h	GEOG3561	GENDER SOC CHANGE	7	2	1	9				7,5	x	v	v	v	-	v
		Total weighting compulsory course								22,5/ 30,0						
2v		Master Thesis	8							30,0						

o = Compulsory courses

v = Optional courses

Ex 1h = Term 1, Exam Autumn

Ex 1v = Term 2, Exam Spring

Ex 2h = Term 3, Exam Autumn

Ex 2v = Term 4, Master Thesis Spring

- 1) Select one of the subjects.
- 2) Select a minimum of two of the subjects.
- 3) Select up to one subject. Other available subjects could be selected if approved by the professor in charge.
- 4) Number of participants might be restricted.
- 5) Specialization project work (11,25 Credits) should preferably be taken in co-operation with partner institutions. For Arctic Offshore Engineering the project might be taken at UNIS, Svalbard. Select the theory part among the course offer in subject TBA5700. Following approval by the professor in charge, one of these might be replaced by another available theory part.
- 6) Course offer for students in Arctic Offshore Engineering taking the term at UNIS, Svalbard.
- 7) Select one subject. Other available non-technical subjects might be chosen provided approval by professor in charge.
- 8) Master thesis should preferably be taken in co-operation with partner institutions. Students in Arctic Offshore Engineering might take the Master thesis at UNIS, Svalbard.

Specialization:

1 Coastal Engineering

2 Port Engineering

3 Marine Civil Engineering

4 Arctic Offshore Engineering

5 Marine Geotechnics