Program structure Data Science 2023

For information about the courses, please find them in the NMBU Course search: https://www.nmbu.no/en/studies/courses

Data science 2023

		5	5	5	5	5	5	5	Sum
	ECTS								
	Juni								
	Vår	Master thesis							30
	Jan								
	Høst	DAT300		DAT390		Elective[2]			30
2. year	Aug								
	Juni	INF203[1]							
	Vår	DAT200		MATH280		INF221			30
	Jan	INF202[1]							5
	Høst	INF201	INF230		Elective				20
1. year	Aug	DAT121							5
								Total:	120

[1] Choose between INF202 and INF203

[2] Choose elective courses on 300-level

Mandatory courses 100

DAT121	5	Introduction Course for Data Scientists
INF201	5	Advanced programming
INF202/203	5	Advanced programming project
DAT200	10	Machine Learning and Deep Learning
MATH280	10	
INF221	10	Computer Science for Data Scientists
INF230	10	Data Handling and Data Bases
DAT300	10	Applied deep learning
DAT390	5	Data Science Seminar
M30-DV	30	Master's Thesis

In addition, choose a minimum of 20 ECTS elective specilisation courses.

Of these, at least 15 ECTS must be at 300-level. If the previous 10 ECTS version of DAT390 was chosen, at least 10 ECTS must be at 300-level.

Elective courses:

Data analysis and statistics	ECTS	Energy physics	ECTS	Biological physics	ECTS	Economics	ECTS	
DAT320	10	FYS301	10	FYS388	10	BUS313	10	(only in Norwegian)
DAT350	10	FYS377	10			BUS323	10	
IND320	10			Geomatics		BUS326	5	
INF205	5	Biostatistics		GMFM350	10	BUS332	10	
INF250	10	BIN300	10	GMGI210	10	BUS340	10	
MLA210	10	BIN302	10	GMGI221	5	ECN301	10	
MLA310	10	BIN310	10			ECN303	5	
STAT200	5	BIN315	10			INN351	5	
STAT210	5					INN354	10	
STAT340	10	Construction						
STAT351	10	TBA210	10	(only in Norwegian)				
STIN300	5	TBA331	10					

Notes:

An approved education plan for the study programme contains all mandatory courses and should contain at least 30 ECTS courses on 300-level (master's level). 15 ECTS of the courses on 300-level is covered by the mandatory courses DAT300 and DAT390. The rest should be elected by the student, according to their desired specialization. See possible elective courses in the list above.

NB!
Due to DAT390 being reduced from originally 10 ECTS to 5 ECTS in the study year 2024/2025, students with admission year 2023 were allowed to choose a customized 10 ECTS version of DAT390 for AUTUMN 2024, or choose the new 5 ECTS version of DAT390 and fill the remaining 5 ECTS with another course on 300-level.