

Program structure Data Science 2023

For information about the courses find them in the NMBU Course search: <https://gammel.nmbu.no/courses>

| Data science 2023 | | | | | | | | |
|-------------------|--------|---------------|---------|-----------|--|--|-----|----|
| 2. year | Juni | | | | | | | |
| | Vår | Master thesis | | | | | | 30 |
| | Jan | | | | | | | |
| | Høst | DAT300 | DAT390 | Elective* | | | 30 | |
| 1. year | Aug | | | | | | | |
| | Juni | INF203** | | | | | | |
| | Vår | DAT200 | MATH280 | INF221 | | | 30 | |
| | Jan | INF202** | | | | | 5 | |
| | Høst | INF201 | INF230 | Elective | | | 20 | |
| Aug | DAT121 | | | | | | 5 | |
| | | | | | | | 120 | |

* Choose a course on 300-level

** Choose between INF202 and INF203

Mandatory courses

105

| | | |
|------------|----|---|
| 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 | Applied Linear Algebra |
| INF221 | 10 | Computer Science for Data Scientists |
| INF230 | 10 | Data Handling and Data Bases |
| DAT300 | 10 | Applied deep learning |
| DAT390 | 10 | Data Science Seminar |
| M30-DV | 30 | Master's Thesis |

In addition, choose a minimum of 15 ECTS elective specialisation courses. Of these, at least 10 ECTS must be at 300-level.

Elective courses:

Data analysis and statistics

DAT320
DAT350
IND320
INF205
INF250
MLA210
MLA310
STAT200
STAT210
STAT340
STAT351
STIN300

Energy physics

FYS377
FYS301

Biostatistics
HFA301
BIN300
BIN302
BIN310
BIN315

Biological physics

FYS388

Geomatics
GMGI210
GMGI300

Construction
TBA210
TBA331

Economics

BUS323
BUS326
BUS313
BUS332
BUS340
ECN301
ECN303
INN351
INN354

(only in Norwegian)