



Faculty of Biosciences

Master of Science in Genome Sciences (M-GS)

Admission 2021

Master of Science in Genome Science

- Master's degree is awarded on 120 credits (2 years fulltime study)
- 55 credits compulsory courses at 300-level, see below
- Courses at 200 and 300 level are accepted in the master
- Master thesis of 30 or 60 credits is compulsory

Study plan

Compulsory courses for Master of Science in Genome Science

Year	Period	5	10	15	20	25	30	Sum
2	June	Master thesis						30
	Spring							
	January							
	Autumn	Master thesis/elective courses/internship/exchange						30
	August							
1	June							
	Spring	BIO325		BIO326		BIN300		20
	January	STIN300						5
	Autumn	BIO322		BIN310/BIN315		BIO321		30
	August							
Compulsory courses								
Recommended elective courses								

Code	Compulsory courses	Credits	Period
BIO322	Molecular Genomics	10	Autumn
BIO321	Population Genetics and Molecular Evolution	10	Autumn
<i>BIN310/</i>	<i>Selected topics in genome analysis*</i>	<i>10</i>	<i>Autumn</i>
<i>BIN315</i>	<i>Selected topics in Functional Genomics*</i>	<i>10</i>	<i>Autumn</i>
STIN300	Statistical Programming in R	5	January
BIO325	CRISPR genome editing	10	Spring
BIO326	Genome sequencing; tools and analysis	10	Spring
	Optional courses from the Course Catalogue 200 or 300 level	55	
	Recommended elective courses		
BIN300	Statistical Genomics	10	Spring
	Master thesis: may be written as a 30 or 60 credits thesis, depending on the students need to accomplish courses lacking in his or her bachelor's degree.	30 or 60	

**Select one of these courses*

Recommended courses if you do not have similar courses in your bachelor's degree:

Code	Course	Credits	Period
STAT200	Regression Analysis	5	January
STAT210	Design of Experiments and Analysis of Variance	5	August

Other courses:

<http://www.nmbu.no/courses/> (Always check the Course catalogue.)

Time schedule will be available here:

<https://www.nmbu.no/en/students/administration/teaching-and-exam-schedule>

More information about master thesis can be found here:

<https://cigene.no/master-students/>