



Faculty of Biosciences

Master of Science in Genome Sciences (M-GS)

Admission 2020

Master of Science in Genome Science

- Master's degree is awarded on 120 credits (2 years fulltime study)
- Minimum 30 credits 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
BIN310/	Selected topics in genome analysis	10	Autumn
BIN315	<i>Selected topics in Functional Genomics*</i>	10	Autumn
BIO321	<i>Population Genetics and Molecular Evolution*</i>	10	Autumn
STIN300	Statistical Programming in R	5	January
BIO325	CRISPR genome editing	10	Spring
BIO326	Genome sequencing; tools and analysis	10	Spring
	<i>*Select one of these courses</i>		
	Optional courses from the Course Catalogue 200 or 300 level	55	
BIN300	Recommended elective courses 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	

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>