



Faculty of Biosciences

**Master of Science
in
Genome Science
(M-GS)**

Admission 2022

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	Advance topics in genomics	10	Autumn
BIO321	Population Genetics and Molecular Evolution	10	Autumn
<i>BIN310/</i>	<i>Selected topics in Microbial Genomics*</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
BIO327	From gene to function in plants	10	Autumn
	Master thesis: 60 credits thesis is recommended. (A 30 credits thesis may be written if the student need to accomplish courses lacking in his or her bachelor's degree.)	60 (30)	

**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://www.nmbu.no/node/44204>

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