

Course Curriculum

Thesis Group

The curriculum for the degree of Master of Science (MS) in Biotechnology and Genetic Engineering was designed keeping in mind the objective of the course and after thorough revision of leading national and foreign universities and consideration of the opinions of national pioneer and experts of Biotechnology and Genetic Engineering. The course consists of 36 credits of study (of which 6 credits are dedicated to thesis work) and the whole curriculum was divided into three parts to cover in three subsequent semesters.

Here,

1 credit = 14 lectures, 1 lecture = 50 minutes
1 semester = 14 weeks, 1 week = 5 working days

Summary of 1.5 year credit distribution for the degree of
Master of Science (MS) (Thesis group)
in Biotechnology and Genetic Engineering

Semester	Credits
First	15
Second	15
Third	6
Total	36

**Course Curricula for the Degree of MS in
Biotechnology and Genetic Engineering (Effective for 2015-16 Session)**

Thesis Group

MS First Semester		Class Hours/Week	Credit
Course Code	Course Title		
BGE 5101	Advanced Molecular Biology	3	3
BGE 5103	Genomics and Proteomics	3	3
BGE 5105	Advanced Immunology	3	3
BGE 5107	Advanced Bacterial Genetics	3	3
BGE 5109	Advanced Agricultural Biotechnology	3	3
		Total	15

MS Second Semester		Class Hours/Week	Credit
Course Code	Course Title		
BGE 5201	Systems Biology	3	3
BGE 5203	Neuroscience	3	3
BGE 5205	Developmental Biology	3	3
BGE 5207	Business Perspective of Biotechnology	2	2
BGE 5209	Pharmaceutical Biotechnology	3	3
BGE 5211	Course Viva		1
		Total	15

MS Third Semester		Class Hours/Week	Credit
Course Code	Course Title		
BGE 5300	Thesis Work		6

(Dr. Ashraf Hossain Talukder)

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Course Curriculum

Non-Thesis Group

The curriculum for the degree of Master of Science (MS) in Biotechnology and Genetic Engineering was designed keeping in mind the objective of the course and after thorough revision of leading national and foreign universities and consideration of the opinions of national pioneer and experts of Biotechnology and Genetic Engineering. The course consists of 36 credits of study and the whole curriculum was divided into two parts to cover in two subsequent semesters.

Here,

1 credit = 14 lectures, 1 lecture = 50 minutes
1 semester = 14 weeks, 1 week = 5 working days

Summary of 1 year credit distribution for the degree of
Master of Science (MS) (Non-Thesis group)
in Biotechnology and Genetic Engineering

Semester	Credits
First	18
Second	18
Total	36

**Course Curricula for the Degree of MS in
Biotechnology and Genetic Engineering (Effective for 2015-16 Session)**

Non-Thesis Group

MS First Semester		Class Hours/Week	Credit
Course Code	Course Title		
BGE 5101	Advanced Molecular Biology	3	3
BGE 5103	Genomics and Proteomics	3	3
BGE 5105	Advanced Immunology	3	3
BGE 5107	Advanced Bacterial Genetics	3	3
BGE 5109	Advanced Agricultural Biotechnology	3	3
BGE 5113	In Plant Training/Laboratory Training on Biotechnology		3
		Total	18

MS Second Semester		Class Hours/Week	Credit
Course Code	Course Title		
BGE 5201	Systems Biology	3	3
BGE 5203	Neuroscience	3	3
BGE 5205	Developmental Biology	3	3
BGE 5207	Business Perspective of Biotechnology	2	2
BGE 5209	Pharmaceutical Biotechnology	3	3
BGE 5211	Course Viva		1
BGE 5213	Research Project/Survey		3
		Total	18

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