

**MYINGYAN DEGREE COLLEGE**  
**DEPARTMENT OF CHEMISTRY**  
**CURRICULUM FOR B.Sc DEGREE**

**First Year B.Sc**

**Semester I**

Module No.	Module Name	Credit Points	Hours per week	
			Lecture	Practical/ Tutorial
Myan 1001	Myanmar	3	2	2
Eng 1001	English	3	2	2
Chem 1101	Fundamental Chemistry I	4	3	2
Phys 1001	General Physics I	3	2	2
Math 1001	Mathematics I	3	2	2
AM 1001	Aspects of Myanmar	3	2	2
Total		19	13	12

**Total Credits-19;**

**Total hours-25**

**First Year B.Sc**

**Semester II**

Module No.	Module Name	Credit Points	Hours per week	
			Lecture	Practical/ Tutorial
Myan 1002	Myanmar	3	2	2
Eng 1002	English	3	2	2
Chem 1102	Fundamental Chemistry II	4	3	2
Phys 1002	General Physics II	3	2	2
Math 1002	Mathematics II	3	2	2
AM 1002	Aspects of Myanmar	3	2	2
Total		19	13	12

**Total Credits-19;**

**Total hours-25**

**MYINGYAN DEGREE COLLEGE**  
**DEPARTMENT OF CHEMISTRY**  
**CURRICULUM FOR B.Sc DEGREE**

**Second Year B.Sc**

**Semester I**

Module No.	Module Name	Credit Points	Hours per week	
			Lecture	Practical/ Tutorial
Eng 2001	English	3	2	2
Chem 2101	Inorganic Chemistry I	4	3	2
Chem 2102	Physical Chemistry I	4	3	2
Chem 2103	Organic Chemistry I	4	3	2
Chem 2104	Chemistry in Society	3	2	2
Math 2001	Mathematics I	3	2	2
Total		21	15	12

Total Credits-21;

Total hours-27

**Second Year B.Sc**

**Semester II**

Module No.	Module Name	Credit Points	Hours per week	
			Lecture	Practical/ Tutorial
Eng 2002	English	3	2	2
Chem 2106	Inorganic Chemistry II	4	3	2
Chem 2107	Physical Chemistry II	4	3	2
Chem 2108	Organic Chemistry II	4	3	2
Chem 2109	Water Chemistry	3	2	2
Math 2004	Mathematics II	3	2	2
Total		21	15	12

Total Credits-21;

Total hours-27

**MYINGYAN DEGREE COLLEGE**  
**DEPARTMENT OF CHEMISTRY**  
**CURRICULUM FOR B.Sc DEGREE**

**Third Year B.Sc**

**Semester I**

Module No.	Module Name	Credit Points	Hours per week	
			Lecture	Practical/ Tutorial
Eng 3001	English	3	2	2
Chem 3101	Inorganic Chemistry III	4	3	2
Chem 3102	Physical Chemistry III	4	3	2
Chem 3103	Organic Chemistry III	4	3	2
Chem 3104	Analytical Chemistry I	4	3	2
Chem 3105	Biochemistry	3	2	2
Total		22	16	12

Total Credits-22;

Total hours-28

**Third Year B.Sc**

**Semester II**

Module No.	Module Name	Credit Points	Hours per week	
			Lecture	Practical/ Tutorial
Eng 3002	English	3	2	2
Chem 3107	Inorganic Chemistry IV	4	3	2
Chem 3108	Physical Chemistry IV	4	3	2
Chem 3109	Organic Chemistry IV	4	3	2
Chem 3110	Analytical Chemistry II	4	3	2
Chem 3111	Environmental Chemistry	3	2	2
Total		22	16	12

Total Credits-22;

Total hours-28

**MYINGYAN DEGREE COLLEGE**  
**DEPARTMENT OF CHEMISTRY**  
**CURRICULUM FOR B.Sc DEGREE**

**Fourth Year B.Sc**

**Semester I**

Module No.	Module Name	Credit Points	Hours per week	
			Lecture	Practical/ Tutorial
Eng 4001	English	3	2	2
Chem 4101	Inorganic Chemistry V	4	3	2
Chem 4102	Physical Chemistry V	4	3	2
Chem 4103	Organic Chemistry V	4	3	2
Chem 4104	Analytical Chemistry III	4	3	2
Chem 4105	Research Methodology	3	2	2
Total		22	16	12

Total Credits-22;

Total hours-28

**Fourth Year B.Sc**

**Semester II**

Module No.	Module Name	Credit Points	Hours per week	
			Lecture	Practical/ Tutorial
Eng 4002	English	3	2	2
Chem 4107	Inorganic Chemistry VI	4	3	2
Chem 4108	Physical Chemistry VI	4	3	2
Chem 4109	Organic Chemistry VI	4	3	2
Chem 4110	Analytical Chemistry IV	4	3	2
Chem 4111	Introduction to Nanoscience	3	2	2
Total		22	16	12

Total Credits-22;

Total hours-28

**MYINGYAN DEGREE COLLEGE**  
**DEPARTMENT OF CHEMISTRY**  
**CURRICULUM FOR B.Sc(Honours) DEGREE**

**First Year Honours**

**Semester I**

Module No.	Module Name	Credit Points	Hours per week	
			Lecture	Practical/ Tutorial
Eng 3001	English	3	2	2
Chem 3201	Inorganic Chemistry I	4	3	2
Chem 3202	Physical Chemistry I	4	3	2
Chem 3203	Organic Chemistry I	4	3	2
Chem 3204	Analytical Chemistry I	4	3	2
Chem 3205	Biochemistry	3	2	2
Total		22	16	12

Total Credits-22;

Total hours-28

**First Year Honours**

**Semester II**

Module No.	Module Name	Credit Points	Hours per week	
			Lecture	Practical/ Tutorial
Eng 3002	English	3	2	2
Chem 3207	Inorganic Chemistry II	4	3	2
Chem 3208	Physical Chemistry II	4	3	2
Chem 3209	Organic Chemistry II	4	3	2
Chem 3210	Analytical Chemistry II	4	3	2
Chem 3211	Environmental Chemistry	3	2	2
Total		22	16	12

Total Credits-22;

Total hours-28

**MYINGYAN DEGREE COLLEGE**  
**DEPARTMENT OF CHEMISTRY**  
**CURRICULUM FOR B.Sc(Honours) DEGREE**

**Second Year Honours**

**Semester I**

Module No.	Module Name	Credit Points	Hours per week	
			Lecture	Practical/ Tutorial
Eng 4001	English	3	2	2
Chem 4201	Inorganic Chemistry III	4	3	2
Chem 4202	Physical Chemistry III	4	3	2
Chem 4203	Organic Chemistry III	4	3	2
Chem 4204	Analytical Chemistry III	4	3	2
Chem 4205	Research Methodology	3	2	2
Total		22	16	12

Total Credits-22;

Total hours-28

**Second Year Honours**

**Semester II**

Module No.	Module Name	Credit Points	Hours per week	
			Lecture	Practical/ Tutorial
Eng 4002	English	3	2	2
Chem 4207	Inorganic Chemistry IV	4	3	2
Chem 4208	Physical Chemistry IV	4	3	2
Chem 4209	Organic Chemistry IV	4	3	2
Chem 4210	Analytical Chemistry IV	4	3	2
Chem 4211	Introduction to Nanoscience	3	2	2
Total		22	16	12

Total Credits-22;

Total hours-28

**MYINGYAN DEGREE COLLEGE**  
**DEPARTMENT OF CHEMISTRY**  
**CURRICULUM FOR B.Sc(Honours) DEGREE**

**Third Year Honours**

**Semester I**

Module No.	Module Name	Credit Points	Hours per week	
			Lecture	Practical/ Tutorial
Chem 5201	Inorganic Chemistry V	4	3	2
Chem 5202	Physical Chemistry V	4	3	2
Chem 5203	Organic Chemistry V	4	3	2
Chem 5204	Analytical Chemistry V	4	3	2
Chem 5205	Nuclear Chemistry I	4	3	2
Chem 5206	Food and Nutritional Chemistry	4	3	2
Total		24	18	12

Total Credits-24;

Total hours-30

**Third Year Honours**

**Semester II**

Module No.	Module Name	Credit Points	Hours per week	
			Lecture	Practical/ Tutorial
Chem 5207	Inorganic Chemistry VI	4	3	2
Chem 5208	Physical Chemistry VI	4	3	2
Chem 5209	Organic Chemistry VI	4	3	2
Chem 5210	Analytical Chemistry VI	4	3	2
Chem 5211	Nuclear Chemistry II	4	3	2
Chem 5212	Food and Nutritional Chemistry	4	3	2
Total		24	18	12

Total Credits-24;

Total hours-30

**MYINGYAN DEGREE COLLEGE**  
**DEPARTMENT OF CHEMISTRY**  
**CURRICULUM FOR M.Sc (Qualifying) DEGREE**

**M.Sc (Qualifying)**

**Semester I**

Module No.	Module Name	Credit Points	Hours per week	
			Lecture	Practical/ Tutorial
Chem 5201	Inorganic Chemistry V	4	3	2
Chem 5202	Physical Chemistry V	4	3	2
Chem 5203	Organic Chemistry V	4	3	2
Chem 5204	Analytical Chemistry V	4	3	2
Chem 5205	Nuclear Chemistry I	4	3	2
Chem 5206	Food and Nutritional Chemistry	4	3	2
Total		24	18	12

Total Credits-24;

Total hours-30

**M.Sc (Qualifying)**

**Semester II**

Module No.	Module Name	Credit Points	Hours per week	
			Lecture	Practical/ Tutorial
Chem 5207	Inorganic Chemistry VI	4	3	2
Chem 5208	Physical Chemistry VI	4	3	2
Chem 5209	Organic Chemistry VI	4	3	2
Chem 5210	Analytical Chemistry VI	4	3	2
Chem 5211	Nuclear Chemistry II	4	3	2
Chem 5212	Food and Nutritional Chemistry	4	3	2
Total		24	18	12

Total Credits-24;

Total hours-30