

Taungoke University

B.Sc. in Chemistry

First Year					
Semester 1			Semester 2		
Module No.	Module Name	CP (L,P/T)	Module No.	Module Name	CP (L,P/T)
Foundation			Foundation		
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Eng 1001	English	3 (2,2)	Eng 1002	English	3 (2,2)
Core			Core		
Chem 1101	Fundamental Chemistry I	4 (3,2)	Chem 1102	Fundamental Chemistry II	4 (3,2)
Elective (three courses)			Elective (three courses)		
Phys 1001	General Physics I	3 (2,2)	Phys 1002	General Physics II	3 (2,2)
Math 1001	Mathematics I	3 (2,2)	Math 1003	Mathematics II	3 (2,2)
AM 1001*	Aspects of Myanmar	3 (2,2)	AM 1002*	Aspects of Myanmar	3 (2,2)

Second Year					
Semester 1			Semester 2		
Module No.	Module Name	CP (L,P/T)	Module No.	Module Name	CP (L,P/T)
Foundation			Foundation		
Eng 2001	English	3 (2,2)	Eng 2002	English	3(2,2)
Core			Core		
Chem 2101	Inorganic Chemistry I	4(3,2)	Chem 2106	Inorganic Chemistry II	4(3,2)
Chem 2102	Physical Chemistry I	4(3,2)	Chem 2107	Physical Chemistry II	4(3,2)
Chem 2103	Organic Chemistry I	4(3,2)	Chem 2108	Organic Chemistry II	4(3,2)
Elective (two courses)			Elective (two courses)		
Chem 2104	Chemistry in Society	3(2,2)	Chem 2109	Water Chemistry	3(2,2)
Phys 2003	Electric and Magnetic Fields	3(2,2)	Math 2004	Mathematics II	3(2,2)

Third Year					
Semester 1			Semester 2		
Module No.	Module Name	CP (L,P/T)	Module No.	Module Name	CP (L,P/T)
Foundation			Foundation		
Eng 3001	English	3(2,2)	Eng 3002	English	3(2,2)
Core			Core		
Chem 3101	Inorganic Chemistry III	4(3,2)	Chem 3107	Inorganic Chemistry IV	4(3,2)
Chem 3102	Physical Chemistry III	4(3,2)	Chem 3108	Physical Chemistry IV	4(3,2)
Chem 3103	Organic Chemistry III	4(3,2)	Chem 3109	Organic Chemistry IV	4(3,2)
Chem 3104	Analytical Chemistry I	4(3,2)	Chem 3110	Analytical Chemistry II	4(3,2)
Elective			Elective		
Chem 3105	Biochemistry	3 (2,2)	Chem 3111	Environmental Chemistry	3 (2,2)

Fourth Year					
Semester 1			Semester 2		
Module No.	Module Name	CP (L,P/T)	Module No.	Module Name	CP (L,P/T)
Foundation			Foundation		
Eng 4001	English	3(2,2)	Eng 4002	English	3(2,2)
Core			Core		
Chem 4101	Inorganic Chemistry V	4 (3,2)	Chem 4107	Inorganic Chemistry VI	4 (3,2)
Chem 4102	Physical Chemistry V	4 (3,2)	Chem 4108	Physical Chemistry VI	4 (3,2)
Chem 4103	Organic Chemistry V	4 (3,2)	Chem 4109	Organic Chemistry VI	4 (3,2)
Chem 4104	Analytical Chemistry III	4 (3,2)	Chem 4110	Analytical Chemistry IV	4 (3,2)
Elective			Elective		
Chem 4105	Research Methodology	3 (2,2)	Chem 4111	Introduction to Nanoscience	3 (2,2)
It is compulsory For all students to submit term/project papers at the end of the semester					

B.Sc (Honours) in Chemistry Students who passed second year with GPA > 4 are eligible to attend B.Sc. Honours) classes

For three more years. After Finished successfully, they are earned B.Sc. (Hons) degree majoring in Chemistry.

First Year Honours					
Semester 1			Semester 2		
Module No.	Module Name	CP (L,P/T)	Module No.	Module Name	CP (L,P,/T)
Foundation			Foundation		
Eng 3001	English	3(2,2)	Eng 3002	English	3(2,2)
Core			Core		
Chem 3201	Inorganic Chemistry I	4 (3,2)	Chem 3207	Inorganic Chemistry II	4 (3,2)
Chem 3202	Physical Chemistry I	4 (3,2)	Chem 3208	Physical Chemistry II	4 (3,2)
Chem 3203	Organic Chemistry I	4 (3,2)	Chem 3209	Organic Chemistry II	4 (3,2)
Chem 3204	Analytical Chemistry I	4 (3,2)	Chem 3210	Analytical Chemistry II	4 (3,2)
Elective			Elective		
Chem 3205	Biochemistry	3(2,2)	Chem 3211	Environmental Chemistry	3(2,2)

Second Year Honours					
Semester 1			Semester 2		
Module No.	Module Name	CP (L,P,/T)	Module No.	Module Name	CP (L,P,/T)
Foundation			Foundation		
Eng 4001	English	3(2,2)	Eng 4002	English	3(2,2)
Core			Core		
Chem 4201	Inorganic Chemistry III	4 (3,2)	Chem 4207	Inorganic Chemistry IV	4 (3,2)
Chem 4202	Physical Chemistry III	4 (3,2)	Chem 4208	Physical Chemistry IV	4 (3,2)
Chem 4203	Organic Chemistry III	4 (3,2)	Chem 4209	Organic Chemistry IV	4 (3,2)
Chem 4204	Analytical Chemistry III	4 (3,2)	Chem 4210	Analytical Chemistry IV	4 (3,2)
Elective			Elective		
Chem 4205	Research Methodology	3(2,2)	Chem 4211	Introduction to Nanoscience	3(2,2)

Third Year Honours / M.Sc. Qualifying					
Semester 1			Semester 2		
Module No.	Module Name	CP (L,P)	Module No.	Module Name	CP (L,P)
Core			Core		
Chem 5201	Inorganic Chemistry V	4 (3,2)	Chem 5207	Inorganic Chemistry VI	4 (3,2)
Chem 5202	Physical Chemistry V	4 (3,2)	Chem 5208	Physical Chemistry VI	4 (3,2)
Chem 5203	Organic Chemistry V	4 (3,2)	Chem 5209	Organic Chemistry VI	4 (3,2)
Chem 5204	Analytical Chemistry V	4 (3,2)	Chem 5210	Analytical Chemistry VI	4 (3,2)
Chem 5205	Nuclear Chemistry I	4 (3,2)	Chem 5211	Nuclear Chemistry II	4 (3,2)
Chem 5206	Food and Nutritional Chemistry	4 (3,2)	Chem 5212	Nanochemistry	4 (3,2)